

N.W. 1/4 SEC. 28, T. 31 N., R. 5 E., W.M.

SR-531 (172ND STREET NE) MP +/- 7.12,
WHIDBEY ISLAND BANK BRANCH DEVELOPMENT SITE

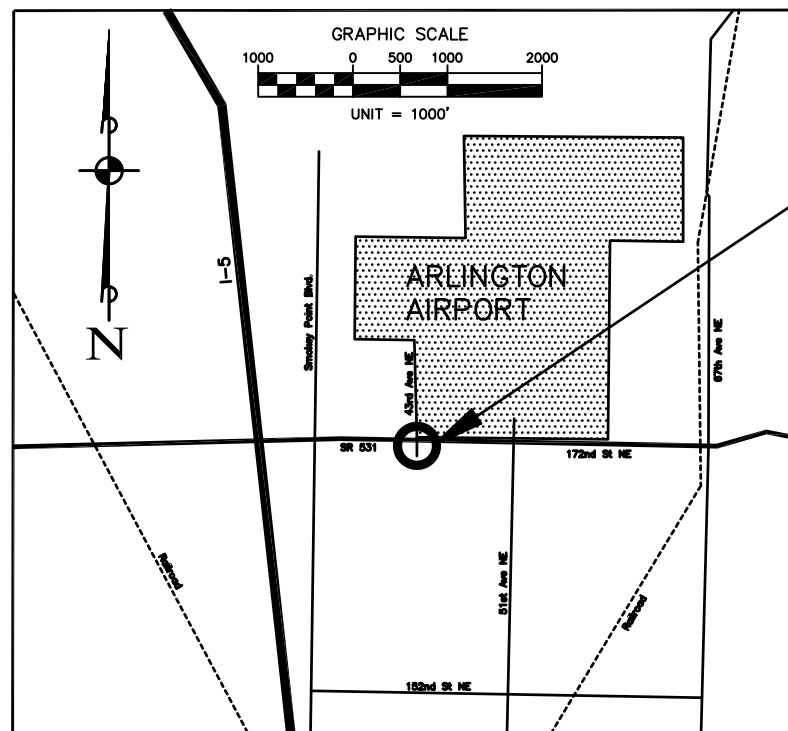
NW 1/4, SEC 28, TWP 31 N, R 5 E, W. M.,
CITY OF ARLINGTON, SNOHOMISH COUNTY,
WASHINGTON

TRAFFIC SIGNAL
AS BUILT PLANS,
FOR APPROVAL
JUNE 2009

LEGEND:

- | | | | | |
|---------------------------------------|-------|----------------------------|-----------|-------------------------------------|
| STANDARD NUMBER | | ○ - BOLLARD | | - GAS METER |
| CONSTRUCTION NOTE | | ○ - SANITARY SEWER MANHOLE | | - MAILBOX |
| WIRE RUN | | ⊕ - STORM SEWER MANHOLE | | - SIGN |
| SIGNAL CONTROLLER | | □ - CATCH BASIN | _____ | - BOUNDARY LINE |
| SERVICE CABINET | | ⊙ - CLEANOUT | _____ | - LOT LINE |
| MAST ARM SIGNAL WITH LUMINAIRE | | ⊙ - ROOF DRAIN | ----- | - R.O.W. CENTERLINE |
| MAST ARM SIGN | | ⊙ - WATER METER | _____ | - EXISTING R.O.W. LINE |
| POLE MOUNTED SIGN | | ⊙ - WATER VALVE | _____ | - PROPOSED R.O.W. LINE |
| VEHICLE SIGNAL HEAD | | ⊙ - SPRINKLER VALVE | _____ | - EXISTING EASEMENT LINE |
| SIGNAL HEAD WITH TURN INDICATION | | ⊙ - HOSE BIB | — T — | - UNDERGROUND TELCO LINE |
| PEDESTRIAN SIGNAL HEAD | | ⊙ - WATER VAULT | — (T) — | - UNDERGROUND TELCO LINE (PER MAPS) |
| EMERGENCY VEHICLE PREEMPTION DETECTOR | | ⊙ - FIRE HYDRANT | — P(UG) — | - UNDERGROUND POWER |
| VIDEO DETECTION | | ⊙ - FIRE CONNECTION | — G — | - GAS LINE |
| TYPE 1 J-BOX | | ⊙ - TELCO RISER | — OHP — | - OVERHEAD POWER LINE |
| TYPE 2 J-BOX | | ⊙ - UTILITY POLE | — W — | - WATER LINE |
| TYPE 7 J-BOX | | ⊙ - GUY WIRE/POLE | — (W) — | - WATER LINE (PER MAPS) |
| PULL BOX | | ⊙ - POWER RISER | — SS — | - SANITARY SEWER LINE |
| CONDUIT | _____ | ⊙ - TRAFFIC J-BOX | — SD — | - STORM SEWER LINE |
| PAVEMENT LEGEND PROPOSED | | ⊙ - POWER METER | — x — x — | - CYCLONE FENCE LINE |
| PAVEMENT LEGEND EXISTING | | ⊙ - PROPOSED LUMINAIRE | — 285 — | - INDEX CONTOUR (5' INTERVAL) |
| CONCRETE SIDEWALK | | ⊙ - EXISTING LUMINAIRE | — — | - CONTOUR LINE (1' INTERVAL) |
| SIDEWALK RAMP | | ⊙ - GAS VALVE | — C/L — | - CENTERLINE |
| | | ⊙ - BIKE LANE | | |

VICINITY MAP



PROJECT LOCATION

CALL BEFORE YOU DIG

UTILITIES SHOWN ON THESE PLANS MAY BE BASED UPON UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT BY POTHOLES THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE TELEPHONING UTILITY LOCATE @ 1-800-424-5555 AND THEN POTHOLES ALL OF THE EXISTING UTILITIES AT LOCATIONS OF NEW UTILITY CROSSINGS TO PHYSICALLY VERIFY WHETHER OR NOT CONFLICTS EXIST. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT HIGA BURKHOLDER AND ASSOCIATES, LLC TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING.

INDEX OF DRAWINGS

- TS-1 ... COVER SHEET
- TS-2A ... TRAFFIC SIGNAL PLAN (WSDOT)
- TS-2B ... TRAFFIC SIGNAL PLAN (WSDOT)
- TS-2C ... ILLUMINATION PLAN (CITY)
- TS-2D ... TRAFFIC SIGNAL PLAN (CORNER DETAIL - WSDOT & CITY)
- TS-3 ... WIRING DIAGRAM
- TS-4 ... POLE STANDARDS
- TS-5 ... SCHEDULES
- TS-6 ... TEMPORARY VIDEO DETECTION
- TS-6A ... VIDEO DETECTION DETAIL
- TS-7 ... NOTES
- TS-8 ... INPUT DIAGRAM
- TS-9 ... WIRING TERMINATIONS
- TS-10 ... CROSS SECTIONS
- TS-11 ... FUTURE WIDENING OVERLAY
- TS-12 ... INTERCONNECT SCHEMATIC

AS-BUILT DRAWING APPROVAL
ACKNOWLEDGMENT

THIS AS-BUILT PLAN SHEET HAS BEEN REVIEWED AND ACCEPTED AS A RECORD DRAWING. THE LICENSED DESIGN ENGINEER WHOSE STAMP AND SIGNATURE APPEAR ON THIS SHEET ASSUMES FULL AND COMPLETE RESPONSIBILITY FOR THE ACCURACY THEREIN.

BY: _____
City Engineer, City of Arlington

DATE: _____

WSDOT NORTHWEST REGION

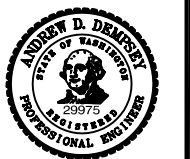
APPROVED _____ DATE _____
AREA TRAFFIC ENGINEER

ENGINEER MANAGER _____ DATE _____



TRAFFIC SIGNAL PLANS
WHIDBEY ISLAND BANK
BRANCH DEVELOPMENT
ARLINGTON, WASHINGTON

DATE	DESCRIPTION	BY	ADD
5/7/09	PRELIMINARY AS-BUILT SUBMITTAL	I	ADD
6/2/09	AS-BUILT FOR APPROVAL SUBMITTAL	I	ADD



DATE | 6/2/09
DRAWN | SAC
DESIGNED | ADD
CHECKED | ADD
PROJECT # | 205004

SHEET TITLE
COVER SHEET

SHEET NUMBER
TS-1

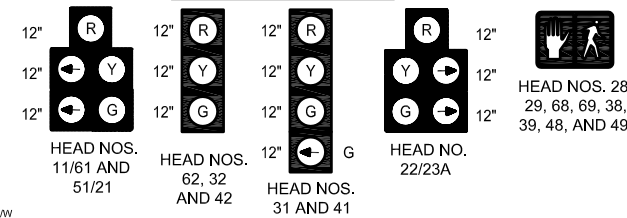
JA ACCOUNT #
5305

LEGEND:

- | | | | |
|--|--|---------------------------------------|--|
| STANDARD NUMBER | | EMERGENCY VEHICLE PREEMPTION DETECTOR | |
| CONSTRUCTION NOTE | | VIDEO DETECTION CAMERA | |
| WIRE RUN | | TYPE 1 J-BOX | |
| LUMINAIRE NUMBER | | TYPE 2 J-BOX | |
| SIGNAL CONTROLLER | | TYPE 7 J-BOX | |
| SERVICE CABINET | | PULL BOX | |
| MAST ARM SIGNAL WITH LUMINAIRE | | CONDUIT | |
| MAST ARM SIGN | | TENON FOR FUTURE | |
| VEHICLE SIGNAL HEAD | | EXISTING POWER POLE | |
| VEHICLE SIGNAL HEAD WITH TURN INDICATION | | PROPOSED LUMINAIRE | |
| PEDESTRIAN SIGNAL HEAD | | BIKE LANE | |
| PEDESTRIAN PUSH BUTTON | | OVERHEAD POWER LINE | |
| PAVEMENT LEGEND | | POST MOUNT SIGN | |

N.W. 1/4 SEC. 28, T. 31 N., R. 5 E., W.M.

VEHICLE AND PEDESTRIAN SIGNAL HEAD DISPLAYS



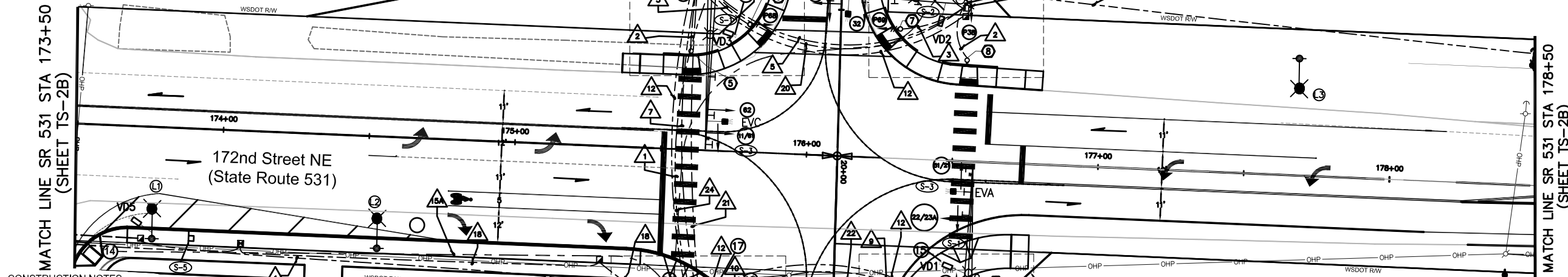
INTERIM EMERGENCY VEHICLE PRE-EMPTION SCHEDULE		*ULTIMATE EMERGENCY VEHICLE PRE-EMPTION SCHEDULE	
CHANNEL	PHASE	CHANNEL	PHASE
A	2 & 5	A	2 & 5
B	4	B	4 & 7
C	1 & 6	C	1 & 6
D	3	D	3 & 8

SEE SHEET TS-7 FOR SIGNAL DISPLAY NOTES AND SIGN DETAILS

SEE SHEET TS-2C FOR CITY ILLUMINATION SYSTEM

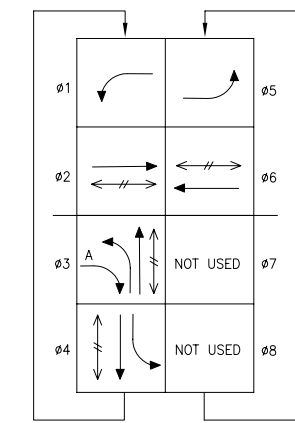
SEE SHEET TS-2D FOR ADDITIONAL DETAILS ON WSDOT AND CITY SIGNAL AND ILLUMINATION SYSTEMS

SEE SHEET TS-2D FOR ADDITIONAL DETAILS ON WSDOT AND CITY SIGNAL AND ILLUMINATION SYSTEMS

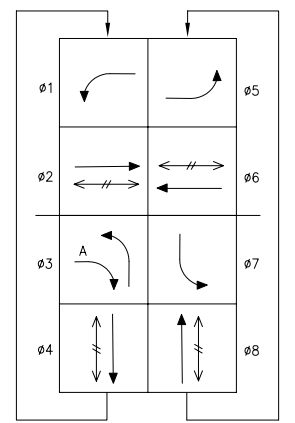


- CONSTRUCTION NOTES**
- INSTALL TYPE III SIGNAL STANDARD (PROVIDED BY OWNER, TO WSDOT STANDARDS PER SPECIAL PROVISIONS) AND FOUNDATION PER THESE PLANS. THE FOUNDATION SHALL BE LEVEL WITH THE TOP OF PROPOSED FUTURE SIDEWALK AT 124.98' ELEVATION. INSCRIBE THE FOUNDATION DEPTH AND DIAMETER ON THE EXPOSED TOP OF THE FOUNDATION. INSTALL TWO VEHICLE SIGNAL HEADS, THREE ADDITIONAL TENONS, ONE PEDESTRIAN SIGNAL HEAD, ONE MODEL 721 OPTICOM DETECTOR, ONE STREET NAME SIGN, ONE R10-12 REGULATORY SIGN, ONE TEMP. VIDEO DETECTION CAMERA DIRECTED TO THE EAST, AND ONE 250-WATT HPS LUMINAIRE, INCLUDING MOUNTINGS.
 - INSTALL TYPE III SIGNAL STANDARD (PROVIDED BY OWNER, TO WSDOT STANDARDS PER SPECIAL PROVISIONS) AND FOUNDATION PER THESE PLANS. THE FOUNDATION SHALL BE LEVEL WITH THE TOP OF PROPOSED FUTURE SIDEWALK AT 125.09' ELEVATION. INSCRIBE THE FOUNDATION DEPTH AND DIAMETER ON THE EXPOSED TOP OF THE FOUNDATION. INSTALL TWO VEHICLE SIGNAL HEADS, TWO ADDITIONAL TENONS, ONE PEDESTRIAN SIGNAL HEAD, ONE MODEL 721 OPTICOM DETECTOR, ONE STREET NAME SIGN, ONE TEMP. VIDEO DETECTION CAMERA DIRECTED TO THE SOUTH, AND ONE 250-WATT HPS LUMINAIRE, INCLUDING MOUNTINGS.
 - INSTALL TYPE III SIGNAL STANDARD (PROVIDED BY OWNER, TO WSDOT STANDARDS PER SPECIAL PROVISIONS) AND FOUNDATION PER THESE PLANS. THE FOUNDATION SHALL BE LEVEL WITH THE TOP OF PROPOSED FUTURE SIDEWALK AT 125.45' ELEVATION. INSCRIBE THE FOUNDATION DEPTH AND DIAMETER ON THE EXPOSED TOP OF THE FOUNDATION. INSTALL TWO VEHICLE SIGNAL HEADS, THREE ADDITIONAL TENONS, TWO PEDESTRIAN SIGNAL HEADS, ONE MODEL 721 OPTICOM DETECTOR, ONE STREET NAME SIGN, ONE R10-12 REGULATORY SIGN, ONE TEMP. VIDEO DETECTION CAMERA DIRECTED TO THE WEST, AND ONE 250-WATT HPS LUMINAIRE, INCLUDING MOUNTINGS.
 - INSTALL TYPE III SIGNAL STANDARD (PROVIDED BY OWNER, TO WSDOT STANDARDS PER SPECIAL PROVISIONS) AND FOUNDATION PER THESE PLANS. THE FOUNDATION SHALL BE LEVEL WITH THE TOP OF SIDEWALK AT 125.34' ELEVATION. INSCRIBE THE FOUNDATION DEPTH AND DIAMETER ON THE EXPOSED TOP OF THE FOUNDATION. INSTALL TWO VEHICLE SIGNAL HEADS, THREE ADDITIONAL TENONS, ONE MODEL 721 OPTICOM DETECTOR, ONE STREET NAME SIGN, ONE TEMP. VIDEO DETECTION CAMERA DIRECTED TO THE NORTH, AND ONE 250-WATT HPS LUMINAIRE, INCLUDING MOUNTINGS.
 - INSTALL FOUNDATION PER WSDOT STANDARD PLAN J-7A. A CONCRETE PAD PER DETAIL DRAWING ON SHEET TS-10 SHALL BE POURED CONCURRENTLY WITH THE SIDEWALK WHEN THE POLE FOUNDATION IS NEXT TO THE SIDEWALK AND IS PLACED BELOW THE FINISHED SURFACE OF THE SIDEWALK. PROVIDE AND INSTALL ONE TYPE PS STANDARD WITH ONE PEDESTRIAN HEAD AND ONE PUSH BUTTON ASSEMBLY.
 - INSTALL FOUNDATION PER WSDOT STANDARD PLAN J-7A. A CONCRETE PAD PER DETAIL DRAWING ON SHEET TS-10 SHALL BE POURED CONCURRENTLY WITH THE SIDEWALK WHEN THE POLE FOUNDATION IS NEXT TO THE SIDEWALK AND IS PLACED BELOW THE FINISHED SURFACE OF THE SIDEWALK. PROVIDE AND INSTALL ONE TYPE PS STANDARD WITH TWO PEDESTRIAN HEADS AND TWO PUSH BUTTON ASSEMBLIES.
 - INSTALL FOUNDATION PER WSDOT STANDARD PLAN J-A. CONCRETE PAD PER DETAIL DRAWING ON SHEET TS-10 SHALL BE POURED CONCURRENTLY WITH THE SIDEWALK WHEN THE POLE FOUNDATION IS NEXT TO THE SIDEWALK AND IS PLACED BELOW THE FINISHED SURFACE OF THE SIDEWALK. PROVIDE AND INSTALL ONE TYPE PS STANDARD WITH TWO PEDESTRIAN HEADS AND TWO PUSH BUTTON ASSEMBLIES.
 - PROVIDE AND INSTALL ONE TYPE D SERVICE CABINET, PER STANDARD PLAN J-3C. LABEL CABINET PER WSDOT STANDARD, SPECIFICATION 8.20.3 (10). SPECIFICALLY NOTE "WSDOT" ON FRONT DOOR.
 - INSTALL 2070L TRAFFIC CONTROLLER WITH NEXTPHASE SOFTWARE IN A WSDOT 4 DOOR 332 D ITS/TRAFFIC SIGNAL CONTROLLER CABINET. REFER TO SHEET TS-7 FOR CONTROLLER CABINET DETAILS. THE FRONT DOOR SHALL FACE AWAY FROM THE INTERSECTION. WIRE TO THE INTERSECTION WITH ALL ASSOCIATED EQUIPMENT. MAKE NECESSARY FIELD CONNECTIONS AND PERFORM REQUIRED TESTS. LOCATION AND ORIENTATION OF FOUNDATION SHALL BE AS VERIFIED BY ENGINEER IN THE FIELD.
 - CONTACT THE PUD FOR SERVICE. 120/240V POWER SOURCE. LOCATION SHOWN IS APPROXIMATE, COORDINATE CONNECTION WITH SERVICE PROVIDER.
 - TEMPORARY VIDEO DETECTION CAMERA SYSTEM AS PER SHEET TS-6. INSTALL TEMPORARY DETECTION CAMERAS, CABLES, AND CONTROLLER CABINET MOUNTED HARDWARE. REMOVE AFTER FUTURE PERMANENT SIGNAL SYSTEM IS OPERATIONAL.
 - FUTURE FIRE STATION PRE-EMPTION TIE-IN. COIL WIRE ENDS WITH SLACK AND TAG IN CONTROLLER CABINET AT NE CORNER JUNCTION BOX #5.
 - INSTALL PULL BOX PER WSDOT STANDARD PLAN J-15a.
 - TERMINATE CONDUIT RUN . CAP ENDS OF 3 EACH 2 INCH CONDUIT. MARK WITH STAKE.
- JUNCTION BOXES INSTALLED AS PART OF WSDOT TRAFFIC SIGNAL AND ILLUMINATION SHALL BE SPECIFICALLY LABELED "WSDOT" ON THE LID. LABEL JUNCTION BOXES AS PER WSDOT STANDARD SPECIFICATION, 9.29.2(4).

INTERIM PHASE SEQUENCE DIAGRAM

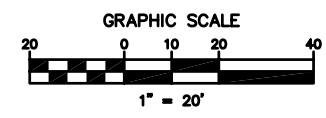


***ULTIMATE PHASE SEQUENCE DIAGRAM**



VEHICULAR MOVEMENT
PEDESTRIAN MOVEMENT
OVERLAP A = 03

*NOTE: ULTIMATE PHASE SEQUENCE DIAGRAM AND ULTIMATE EMERGENCY VEHICLE PRE-EMPTION SCHEDULE WILL BE IMPLEMENTED UPON CONSTRUCTION OF FUTURE IMPROVEMENTS. SEE 172ND STREET SIGNAL PLAN BY DAVID EVANS & ASSOCIATES, INC. PHONE 253-922-9780.



AS-BUILT DRAWING APPROVAL ACKNOWLEDGMENT

THIS AS-BUILT PLAN SHEET HAS BEEN REVIEWED AND ACCEPTED AS A RECORD DRAWING. THE LICENSED DESIGN ENGINEER WHOSE STAMP AND SIGNATURE APPEAR ON THIS SHEET ASSUMES FULL AND COMPLETE RESPONSIBILITY FOR THE ACCURACY THEREIN.

BY: _____
City Engineer, City of Arlington

DATE: _____

WSDOT NORTHWEST REGION

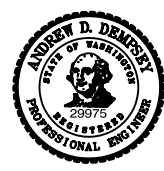
APPROVED _____ DATE _____
AREA TRAFFIC ENGINEER

ENGINEER MANAGER _____ DATE _____

8250 - 165th Avenue NE, Suite 100
Redmond, Washington 98052-6628
(425) 883-4134 | www.tsiinc.com
Transportation Solutions, Inc.

TRAFFIC SIGNAL PLANS
WHIDBEY ISLAND BANK
BRANCH DEVELOPMENT
ARLINGTON, WASHINGTON

DATE	DESCRIPTION	BY
5/7/09	PRELIMINARY AS-BUILT SUBMITTAL	ADD
6/2/09	AS-BUILT FOR APPROVAL SUBMITTAL	ADD

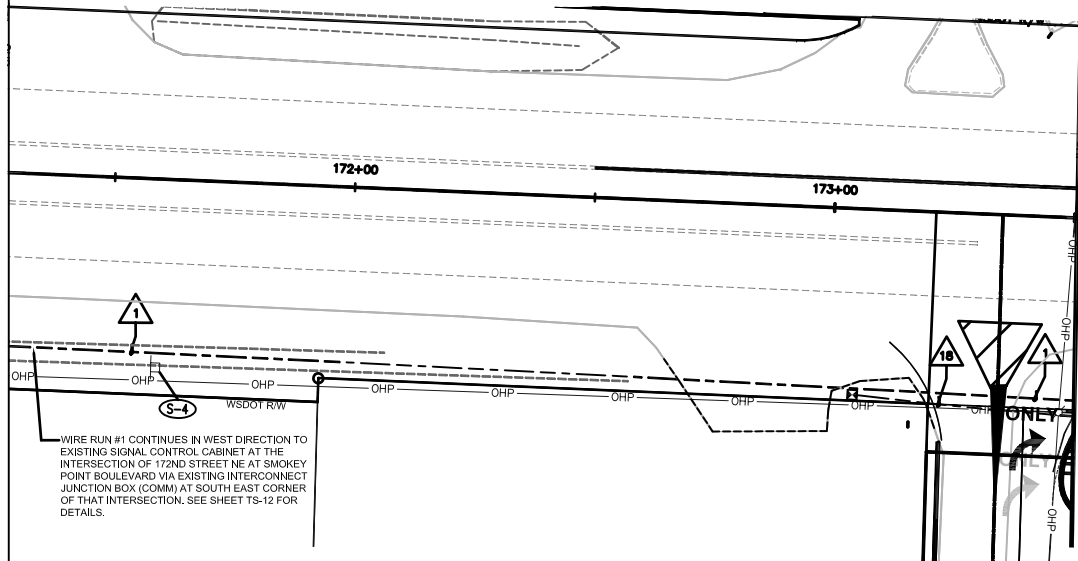
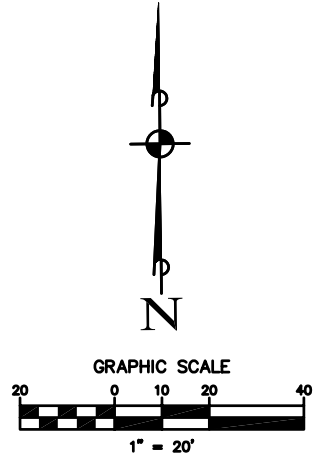


DATE | 6/2/09
DRAWN | SAC
DESIGNED | ADD
CHECKED | ADD
PROJECT # | 205004
SHEET TITLE | TRAFFIC SIGNAL PLAN (WSDOT)
SHEET NUMBER | TS-2A
JA ACCOUNT # | 5305

LEGEND:

- WIRE RUN
- CONDUIT
- TYPE 1 J-BOX
- OVERHEAD POWER LINE
- POST MOUNT SIGN

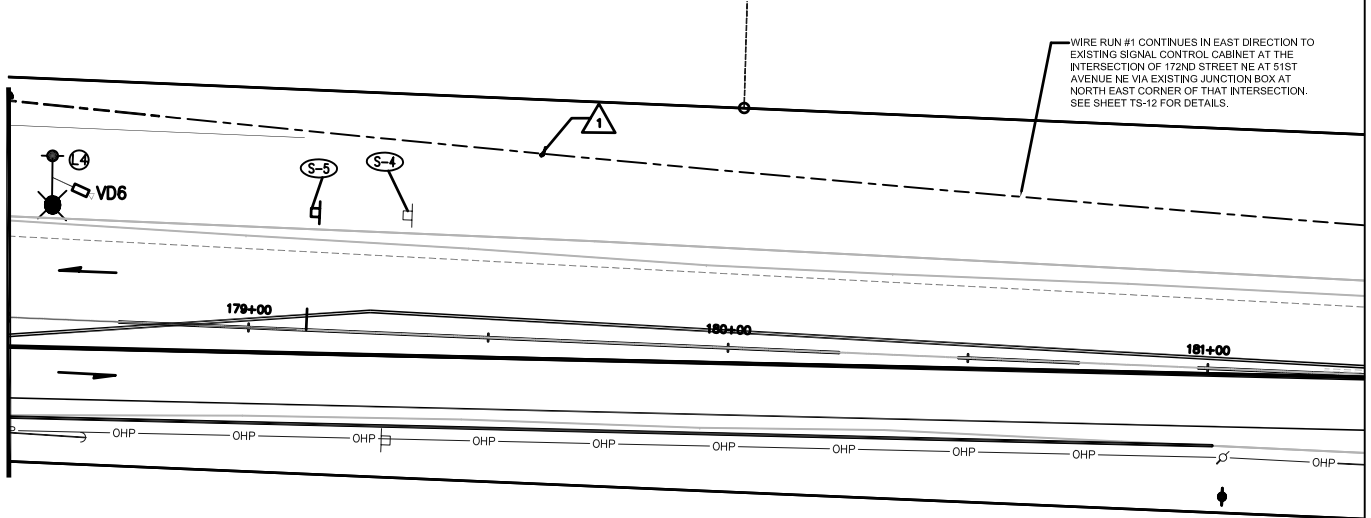
N.W. 1/4 SEC. 28, T. 31 N., R. 5 E., W.M.



MATCH LINE SR 531 STA 173+ 50
(SHEET TS-2A)

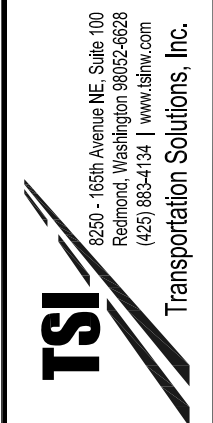
WIRE RUN #1 CONTINUES IN WEST DIRECTION TO EXISTING SIGNAL CONTROL CABINET AT THE INTERSECTION OF 172ND STREET NE AT SMOKEY POINT BOULEVARD VIA EXISTING INTERCONNECT JUNCTION BOX (COMM) AT SOUTH EAST CORNER OF THAT INTERSECTION. SEE SHEET TS-12 FOR DETAILS.

MATCH LINE SR 531 STA 178 + 50
(SHEET TS-2A)

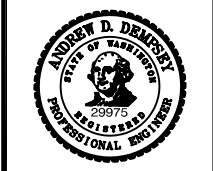


WIRE RUN #1 CONTINUES IN EAST DIRECTION TO EXISTING SIGNAL CONTROL CABINET AT THE INTERSECTION OF 172ND STREET NE AT 51ST AVENUE NE VIA EXISTING JUNCTION BOX AT NORTH EAST CORNER OF THAT INTERSECTION. SEE SHEET TS-12 FOR DETAILS.

TRAFFIC SIGNAL PLANS
WHIDBEY ISLAND BANK
BRANCH DEVELOPMENT
ARLINGTON, WASHINGTON



DATE	DESCRIPTION	BY
5/7/09	PRELIMINARY AS-BUILT SUBMITTAL	ADD
6/2/09	AS-BUILT FOR APPROVAL SUBMITTAL	ADD



DATE | 6/2/09
 DRAWN | SAC
 DESIGNED | ADD
 CHECKED | ADD
 PROJECT # | 205004
 SHEET TITLE | TRAFFIC SIGNAL PLAN (WSDOT)
 SHEET NUMBER | TS-2B
 JA ACCOUNT # | 5305

**AS-BUILT DRAWING APPROVAL
ACKNOWLEDGMENT**

THIS AS-BUILT PLAN SHEET HAS BEEN REVIEWED AND ACCEPTED AS A RECORD DRAWING. THE LICENSED DESIGN ENGINEER WHOSE STAMP AND SIGNATURE APPEAR ON THIS SHEET ASSUMES FULL AND COMPLETE RESPONSIBILITY FOR THE ACCURACY THEREIN.

BY: _____
City Engineer, City of Arlington

DATE: _____

WSDOT NORTHWEST REGION

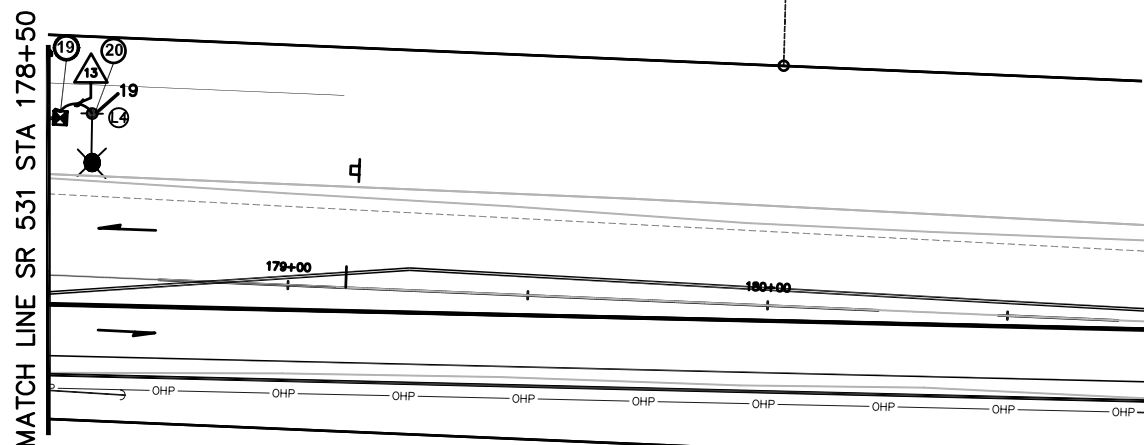
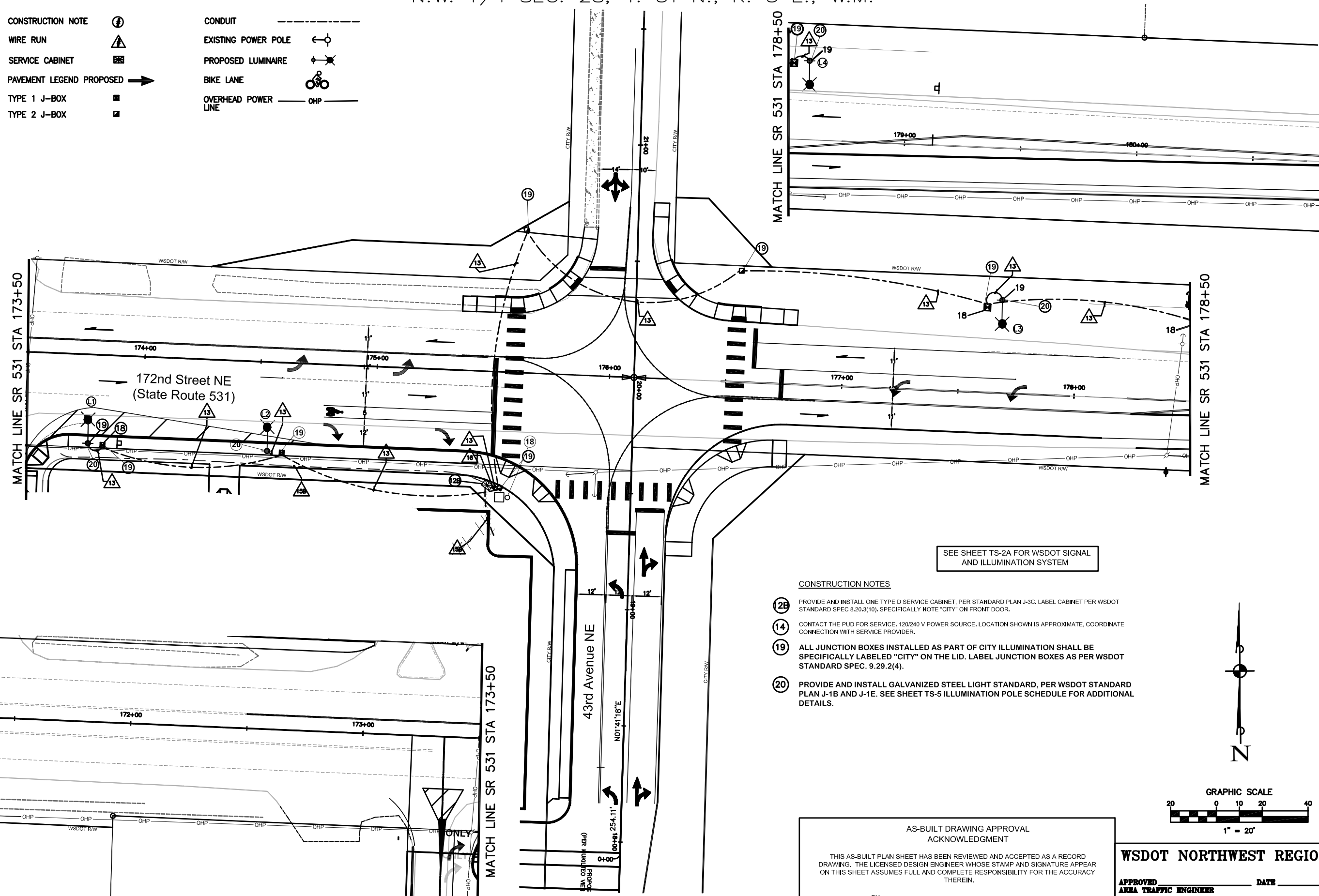
APPROVED _____ DATE _____
AREA TRAFFIC ENGINEER

ENGINEER MANAGER _____ DATE _____

LEGEND:

- | | | | |
|--------------------------|---|---------------------|-----|
| CONSTRUCTION NOTE | Ⓜ | CONDUIT | --- |
| WIRE RUN | ▲ | EXISTING POWER POLE | ⊕ |
| SERVICE CABINET | Ⓜ | PROPOSED LUMINAIRE | ⊕ |
| PAVEMENT LEGEND PROPOSED | ➔ | BIKE LANE | 🚲 |
| TYPE 1 J-BOX | Ⓜ | OVERHEAD POWER LINE | OHP |
| TYPE 2 J-BOX | Ⓜ | | |

N.W. 1/4 SEC. 28, T. 31 N., R. 5 E., W.M.



SEE SHEET TS-2A FOR WSDOT SIGNAL AND ILLUMINATION SYSTEM

CONSTRUCTION NOTES

- Ⓜ PROVIDE AND INSTALL ONE TYPE D SERVICE CABINET, PER STANDARD PLAN J-3C. LABEL CABINET PER WSDOT STANDARD SPEC. 8.20.3(10). SPECIFICALLY NOTE "CITY" ON FRONT DOOR.
- 14 CONTACT THE PUD FOR SERVICE. 120/240 V POWER SOURCE. LOCATION SHOWN IS APPROXIMATE. COORDINATE CONNECTION WITH SERVICE PROVIDER.
- 19 ALL JUNCTION BOXES INSTALLED AS PART OF CITY ILLUMINATION SHALL BE SPECIFICALLY LABELED "CITY" ON THE LID. LABEL JUNCTION BOXES AS PER WSDOT STANDARD SPEC. 9.29.2(4).
- 20 PROVIDE AND INSTALL GALVANIZED STEEL LIGHT STANDARD, PER WSDOT STANDARD PLAN J-1B AND J-1E. SEE SHEET TS-5 ILLUMINATION POLE SCHEDULE FOR ADDITIONAL DETAILS.

**AS-BUILT DRAWING APPROVAL
ACKNOWLEDGMENT**

THIS AS-BUILT PLAN SHEET HAS BEEN REVIEWED AND ACCEPTED AS A RECORD DRAWING. THE LICENSED DESIGN ENGINEER WHOSE STAMP AND SIGNATURE APPEAR ON THIS SHEET ASSUMES FULL AND COMPLETE RESPONSIBILITY FOR THE ACCURACY THEREIN.

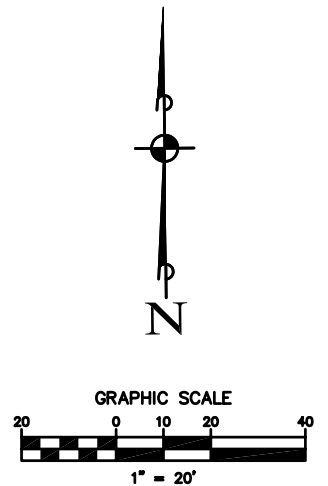
BY: _____
City Engineer, City of Arlington

DATE: _____

WSDOT NORTHWEST REGION

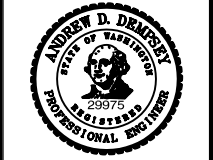
APPROVED _____ DATE _____
AREA TRAFFIC ENGINEER

ENGINEER MANAGER _____ DATE _____



**TRAFFIC SIGNAL PLANS
WHIDBEY ISLAND BANK
BRANCH DEVELOPMENT
ARLINGTON, WASHINGTON**

DATE	DESCRIPTION	BY	ADD
5/7/09	PRELIMINARY AS-BUILT SUBMITTAL		
6/2/09	AS-BUILT FOR APPROVAL SUBMITTAL		



DATE | 6/2/09
DRAWN | SAC
DESIGNED | ADD
CHECKED | ADD
PROJECT # | 205004

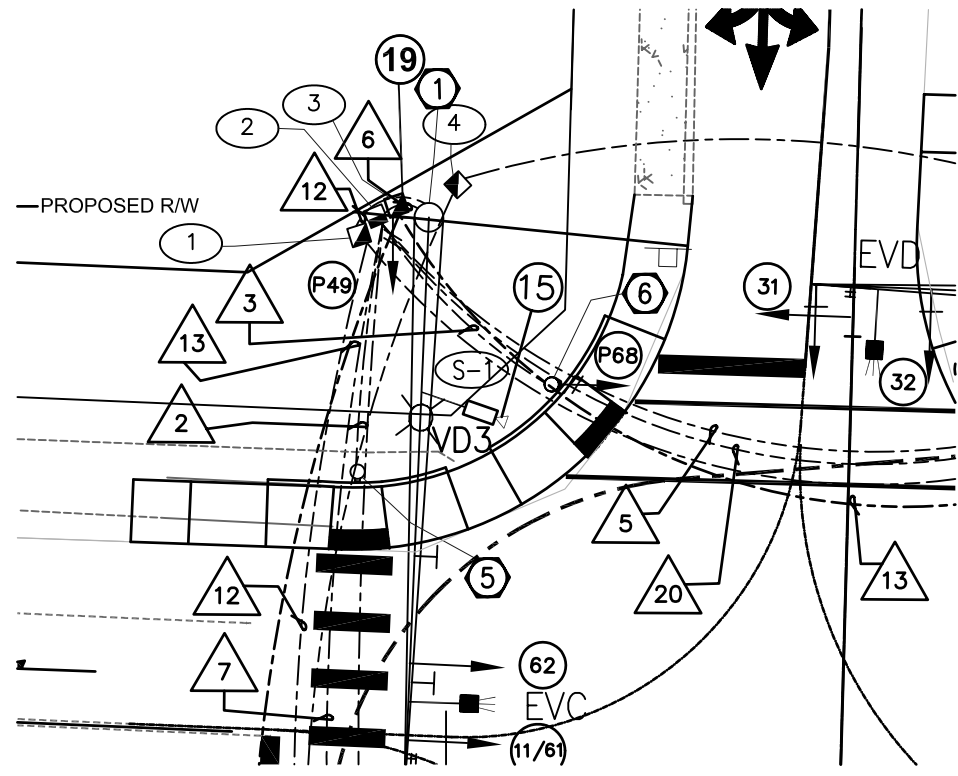
SHEET TITLE | ILLUMINATION
PLAN (CITY)

SHEET NUMBER
TS-2C

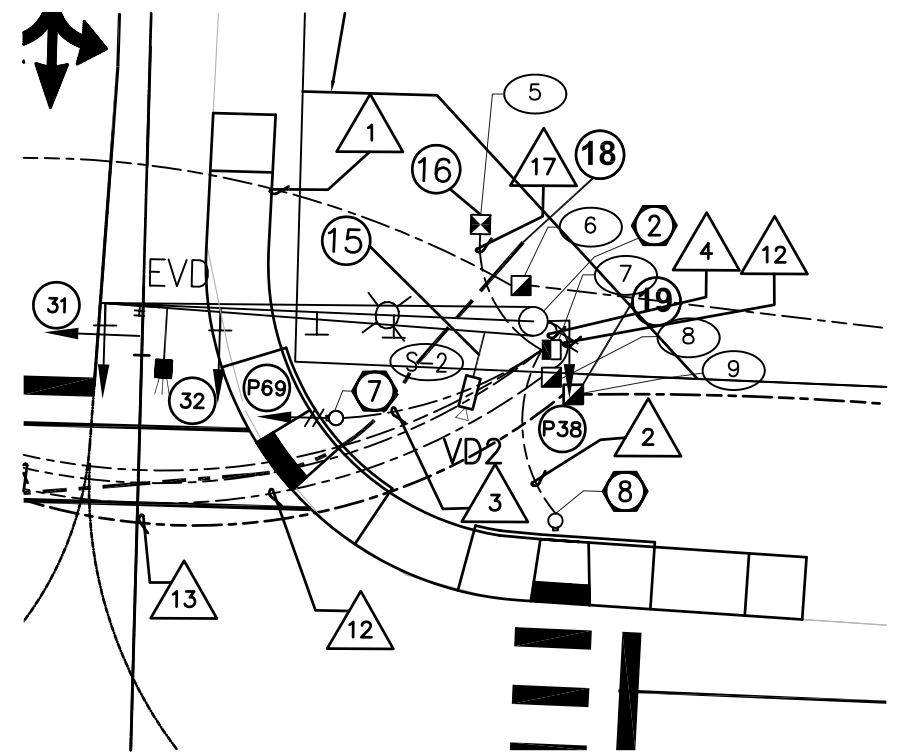
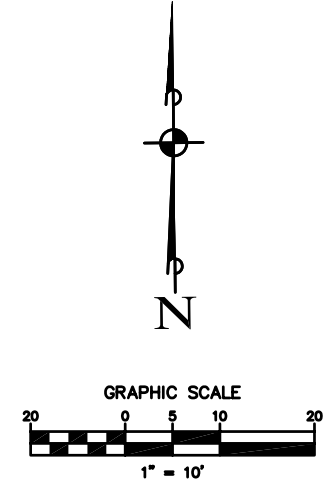
JA ACCOUNT #
5305



N.W. 1/4 SEC. 28, T. 31 N., R. 5 E., W.M.



NORTHWEST CORNER



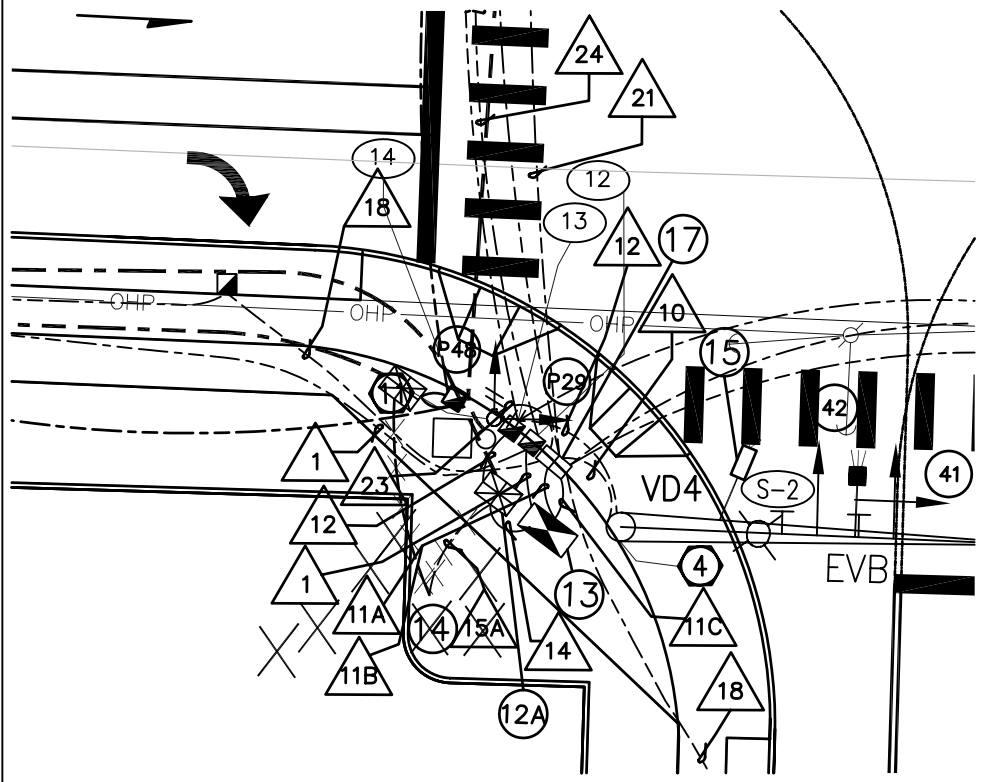
NORTHEAST CORNER

- LEGEND:**
- STANDARD NUMBER: (Symbol: circle with number)
 - CONSTRUCTION NOTE: (Symbol: circle with 'C')
 - WIRE RUN: (Symbol: triangle with number)
 - JUNCTION BOX: (Symbol: circle with '#')
 - SIGNAL CONTROLLER: (Symbol: square with 'X')
 - SERVICE CABINET: (Symbol: square with 'S')
 - MAST ARM SIGNAL WITH LUMINAIRE: (Symbol: arrow with 'S')
 - MAST ARM SIGN: (Symbol: arrow with 'S')
 - VEHICLE SIGNAL HEAD: (Symbol: arrow)
 - SIGNAL HEAD WITH TURN INDICATION: (Symbol: arrow with 'T')
 - PAVEMENT LEGEND PROPOSED: (Symbol: arrow)
 - PEDESTRIAN SIGNAL HEAD WITH PUSH BUTTON: (Symbol: arrow with 'P')
 - EMERGENCY VEHICLE PREEMPTION DETECTOR: (Symbol: square with 'EVD')
 - VIDEO DETECTION: (Symbol: square with 'VD')
 - TYPE 1 J-BOX: (Symbol: square with '1')
 - TYPE 2 J-BOX: (Symbol: square with '2')
 - TYPE 7 J-BOX: (Symbol: square with '7')
 - PULL BOX: (Symbol: square with 'PB')
 - CONDUIT: (Symbol: dashed line)
 - TENON FOR FUTURE: (Symbol: T-shape)
 - EXISTING POWER POLE: (Symbol: circle with 'X')
 - BIKE LANE: (Symbol: bicycle)
 - OVERHEAD POWER LINE: (Symbol: line with 'OHP')

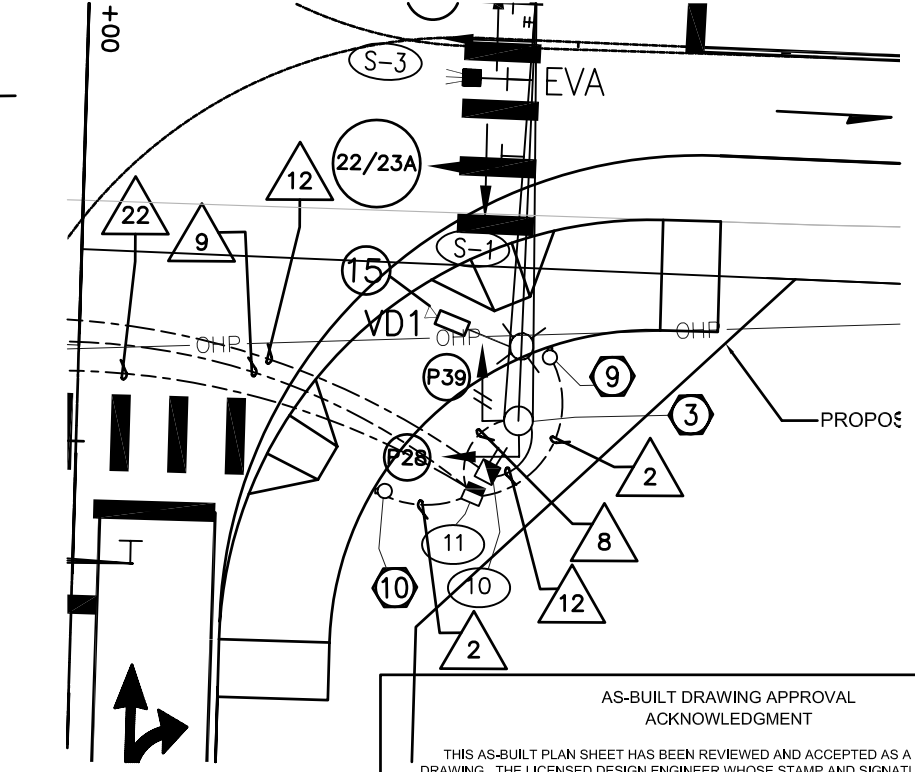
SEE CONSTRUCTION NOTES ON SHEET TS-2A FOR WSDOT SIGNAL AND ILLUMINATION SYSTEM AND SHEET TS-2C FOR CITY ILLUMINATION SYSTEM

DETAILS OF JUNCTION BOXES NEAR THE CORNERS

JUNCTION BOX NUMBER	TYPE	ROAD	STATION	OFFSET TO CL
1	TYPE 2	172nd St NE	175+58.1	58.3' LT
2	TYPE 7	172nd St NE	175+59.8	60.3' LT
3	TYPE 2	172nd St NE	175+61.8	61.6' LT
4	TYPE 2	172nd St NE	175+68.1	64.0' LT
5	TYPE 1	172nd St NE	176+44.5	65.1' LT
6	TYPE 2	172nd St NE	176+49.0	58.9' LT
7	TYPE 7	172nd St NE	176+52.5	52.4' LT
8	TYPE 2	172nd St NE	176+52.6	49.5' LT
9	TYPE 2	172nd St NE	176+54.9	47.8' LT
10	TYPE 2	172nd St NE	176+54.2	51.4' RT
11	TYPE 7	172nd St NE	176+52.8	53.7' RT
12	TYPE 2	172nd St NE	175+63.1	54.1' RT
13	TYPE 2	172nd St NE	175+60.9	52.7' RT
14	TYPE 2	172nd St NE	175+54.9	49.8' RT
15	PULL BOX	172nd St NE	175+65.44	56.0' RT



SOUTHWEST CORNER



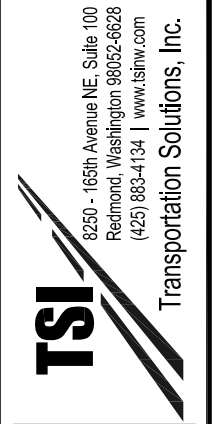
SOUTHEAST CORNER

AS-BUILT DRAWING APPROVAL
ACKNOWLEDGMENT

THIS AS-BUILT PLAN SHEET HAS BEEN REVIEWED AND ACCEPTED AS A RECORD DRAWING. THE LICENSED DESIGN ENGINEER WHOSE STAMP AND SIGNATURE APPEAR ON THIS SHEET ASSUMES FULL AND COMPLETE RESPONSIBILITY FOR THE ACCURACY THEREIN.

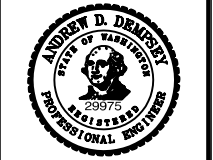
BY: _____
City Engineer, City of Arlington

DATE: _____



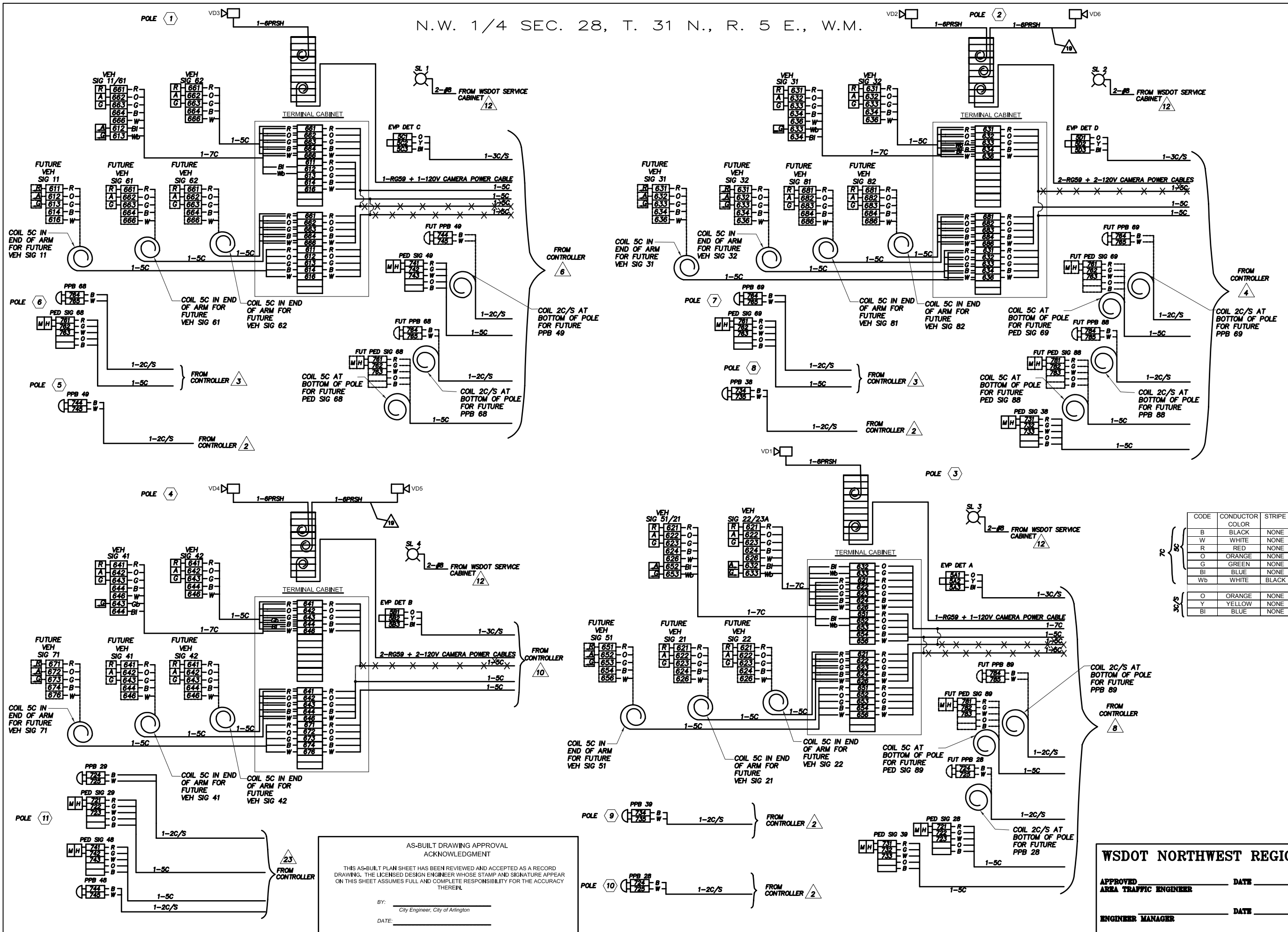
TRAFFIC SIGNAL PLANS
WHIDBEY ISLAND BANK
BRANCH DEVELOPMENT
ARLINGTON, WASHINGTON

DATE	DESCRIPTION	BY
5/7/09	PRELIMINARY AS-BUILT SUBMITTAL	ADD
6/2/09	AS-BUILT FOR APPROVAL SUBMITTAL	ADD



DATE: 6/2/09
DRAWN: SAC
DESIGNED: ADD
CHECKED: ADD
PROJECT #: 205004
SHEET TITLE:
TRAFFIC SIGNAL PLAN
SHEET NUMBER:
TS-2D
JA ACCOUNT #:
5305

N.W. 1/4 SEC. 28, T. 31 N., R. 5 E., W.M.



CODE	CONDUCTOR COLOR	STRIPE
B	BLACK	NONE
W	WHITE	NONE
R	RED	NONE
O	ORANGE	NONE
G	GREEN	NONE
BI	BLUE	NONE
Wb	WHITE	BLACK

AS-BUILT DRAWING APPROVAL ACKNOWLEDGMENT

THIS AS-BUILT PLAN SHEET HAS BEEN REVIEWED AND ACCEPTED AS A RECORD DRAWING. THE LICENSED DESIGN ENGINEER WHOSE STAMP AND SIGNATURE APPEAR ON THIS SHEET ASSUMES FULL AND COMPLETE RESPONSIBILITY FOR THE ACCURACY THEREIN.

BY: _____
City Engineer, City of Arlington

DATE: _____

WSDOT NORTHWEST REGION

APPROVED _____ DATE _____
AREA TRAFFIC ENGINEER

ENGINEER MANAGER _____ DATE _____

8250 - 165th Avenue NE, Suite 100
 Redmond, Washington 98052-6628
 (425) 883-4134 | www.tsiinc.com

TSI

Transportation Solutions, Inc.

TRAFFIC SIGNAL PLANS
WHIDBEY ISLAND BANK
BRANCH DEVELOPMENT
 ARLINGTON, WASHINGTON

DATE	DESCRIPTION	BY
5/7/09	PRELIMINARY AS-BUILT SUBMITTAL	ADD
6/2/09	AS-BUILT FOR APPROVAL SUBMITTAL	ADD

ANDREW D. DEMPSEY
STATE OF WASHINGTON
29975
REGISTERED PROFESSIONAL ENGINEER

DATE | 6/2/09
DRAWN | SAC
DESIGNED | ADD
CHECKED | ADD
PROJECT # | 205004

SHEET TITLE
WIRING DIAGRAM
SHEET NUMBER
TS-3

JA ACCOUNT #
5305

TRAFFIC SIGNAL PLANS
WHIDBEY ISLAND BANK
 BRANCH DEVELOPMENT
 ARLINGTON, WASHINGTON

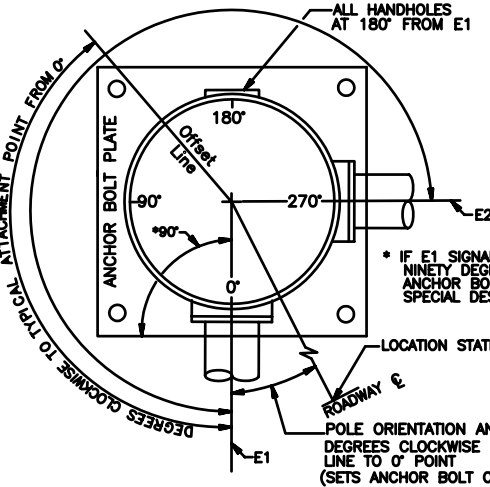
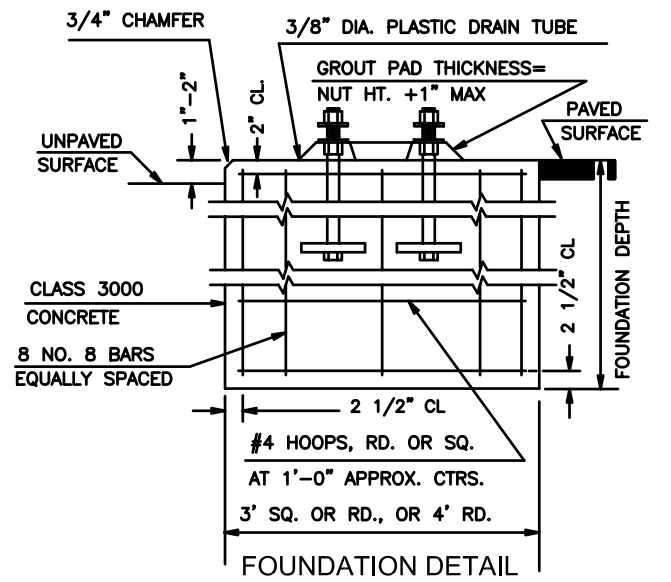
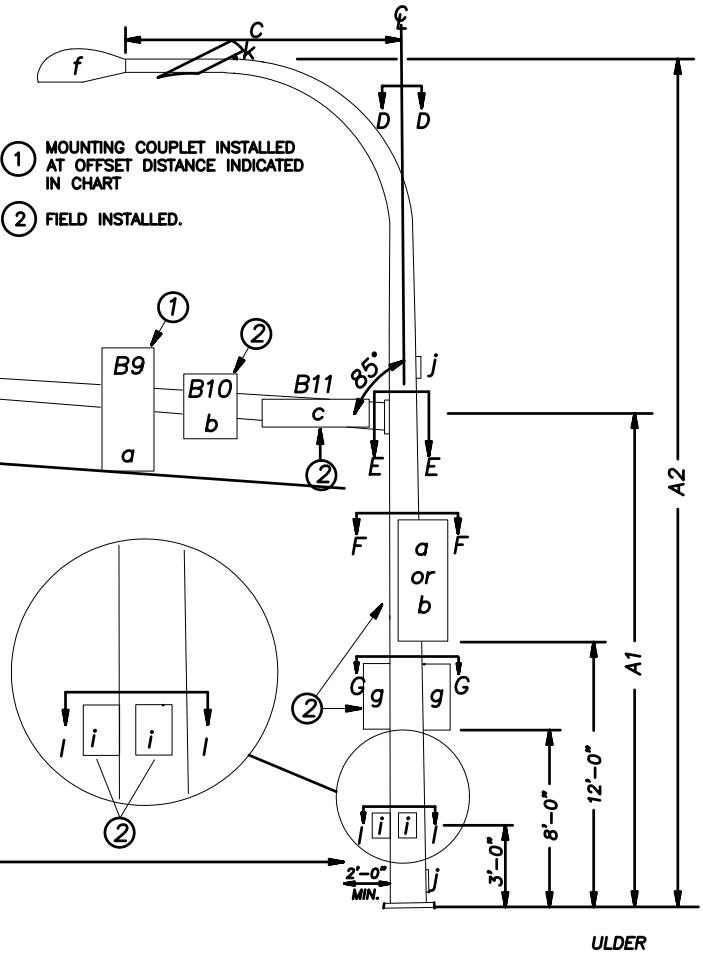
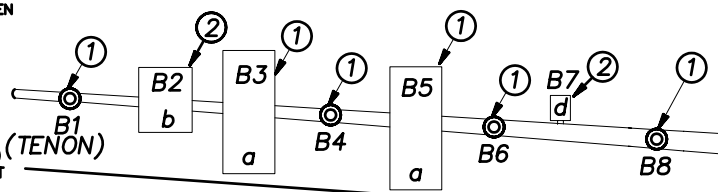
N.W. 1/4 SEC. 28, T. 31 N., R. 5 E., W.M.

SIGNAL STANDARD IDENTIFICATION TAG DETAIL

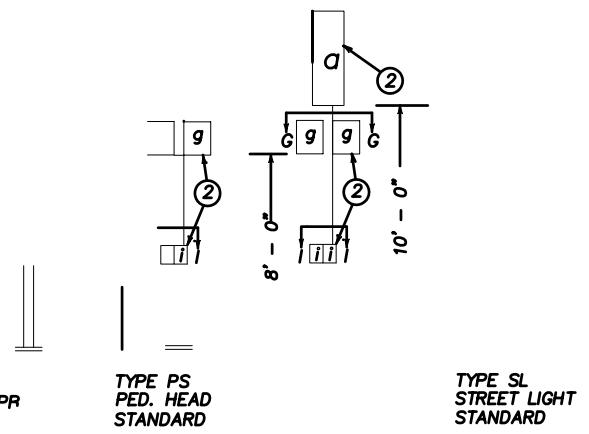
EXAMPLE

STD. NO. 02	SIGNAL STANDARD NO.
SR97, MP 069.09	STATE ROUTE AND MILE POST NO.
MANUFACTURER	MANUFACTURER
APPROVED DWG. AB12345	APPROVED DRAWING NO.
FAB. 6/14/2002	FABRICATION DATE

NOTE: CORROSION RESISTANT METAL TAG SECURED WITH (2) 0.125" RIVETS AS FOLLOWS: POLE SHAFT - LOCATED WITHIN 6" ABOVE HAND HOLE, SIGNAL AND LUMINAIRE MAST ARM - LOCATED WITHIN 6" OF THE POLE SHAFT CONNECTION POINT. TEXT SHALL BE A MINIMUM OF 3/16" HIGH, STAMPED OR EMBOSSED.



POLE ORIENTATION AND ATTACHMENT POINT DETAIL



FOUNDATION DEPTH TABLE

ALLOWABLE LATERAL BEARING PRESSURE (PSF)	FOUNDATION TYPE	XYZ (CUBIC FEET)					
		TYPE II,III AND SD MAST ARM STANDARDS					
		600	900	1,200	1,500	1,900	2,300
1,000	3' ROUND	10'	10'	11'	11'	13'	15'
	3' SQUARE	8'	8'	9'	9'	10'	11'
	4' ROUND	8'	8'	9'	9'	10'	11'
1,500	3' ROUND	8'	8'	9'	11'	13'	15'
	3' SQUARE	7'	7'	7'	8'	8'	9'
	4' ROUND	7'	7'	7'	8'	8'	9'
2,500	3' ROUND	6'	6'	7'	11'	13'	15'
	3' SQUARE	6'	6'	6'	6'	7'	7'
	4' ROUND	6'	6'	6'	6'	7'	7'

THIS TABLE BASED ON A ϕ VALUE OF 26". FOR DOUBLE MAST ARM STANDARDS WITH 90° BETWEEN ARMS, USE THE LARGER XYZ VALUE FOR FOUNDATION DEPTH SELECTION. A SPECIAL FOUNDATION DESIGN IS REQUIRED FOR DOUBLE ARM STANDARDS IF THE ANGLE IS NOT 90°.

NOTE: FOUNDATION DEPTHS BASED ON WESTERN GEOTECHNICAL CONSULTANTS RECOMMENDATION OF 1,500 PSF ALLOWABLE BEARING PRESSURE FOR STANDARDS 1,2,3, AND 4 (August 6, 2007).

*THE FUTURE TOTAL WIND LOAD AND FOUNDATION DEPTH IS CALCULATED BY INCREASING THE INTERIM PHASE TOTAL WINDLOAD BY 20% TO ACCOUNT FOR FUTURE LOADING.

SIGNAL STANDARD DETAIL CHART

STD. No.	SR No.	SR MILE POST	FIELD LOCATION		TYPE	MOUNTING HEIGHT (FT)	SIGNAL MAST ARM DATA											INTERIM TOTAL WINDLOAD (FT) ³	*FUTURE TOTAL WINDLOAD (FT) ³	LUMINAIRE ARM (FT)	POLE ATTACHMENT POINT ANGLES (DEGREES)												FOUNDATION DEPTH			REMARKS										
			STATION	OFFSET			LT.	RT.	P.O.A.	(FT) (Z) (POLE C TO ATTACHMENT POINT)											WINDLOAD AREAS (FT) ² (X)(Y)	C	D	E1	E2	F1	F2	G1	G2	H	I1	I2	3'DIA.	4'DIA.	3'X3'											
1	531	1.95	175+65.24	60.52	X	0	III	19	35	F	58.5	56.5	54.5	F	49.0	46.5	F	36.5	50.5	--	--	21.7	F9.2	7.5	14.4	F9.2	9.2	F9.2	--	12.9	1917	2300	16	0	0			90	180			15'	9'	9'	60' MASTARM, 1,500 PSI ALBP	
2	531	1.97	176+50.46	55.29	X	0	III	19	35	F	44.5	--	44.5	F	32.5	32.5	F	22.5	38.5	F14.5	--	10.0	F9.2	F7.5	11.0	F9.2	9.2	F9.2	F11.0	12.9	1077	1204	12	0	0			180	90			11'	8'	8'	45' MASTARM, 1,500 PSI ALBP	
3	531	1.97	176+57.17	45.95	X	0	III	19	35	F	43.5	41.5	39.5	F	35.5	31.5	F	27.5	35.5	--	--	15.5	F9.2	7.5	14.4	F9.2	9.2	F9.2	--	12.9	1370	1644	16	0	0			180	270	90			13'	8'	8'	45' MASTARM, 1,500 PSI ALBP
4	531	1.95	175+72.69	62.46	X	90	III	19	35	F	44.7	--	28.5	F	24.8	20.5	F	16.8	24.5	--	--	11.0	F9.2	F7.5	11.0	F9.2	9.2	F9.2	--	12.9	657	936	12	0	0					180			9'	7'	7'	45' MASTARM, 1,500 PSI ALBP
5	531	1.95	175+58.92	33.75	X	0	PPB																																					PER WSDOT STD PLAN J-7a		
6	531	1.95	175+78.81	43.73	X	0	PS																																					PER WSDOT STD PLAN J-7a		
7	531	1.97	176+30.44	44.31	X	0	PS																																					PER WSDOT STD PLAN J-7a		
8	531	1.97	176+53.60	34.64	X	0	PPB																																					PER WSDOT STD PLAN J-7a		
9	531	1.97	176+60.16	39.20	X	0	PPB																																					PER WSDOT STD PLAN J-7a		
10	531	1.97	176+43.57	53.84	X	0	PPB																																					PER WSDOT STD PLAN J-7a		
11	531	1.95	175+59.05	51.76	X	0	PS																																						PER WSDOT STD PLAN J-7a	

NOTES
 F# - FUTURE

ALTERNATE NOTE 1
 FOR TYPE N MOUNT ONLY
 DRILL 1" HOLE IN MAST ARM AND INSTALL PLASTIC SPLIT BUSHING FOR CABLE ENTRANCE.

AS-BUILT DRAWING APPROVAL
 ACKNOWLEDGMENT

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BY: _____
 City Engineer, City of Arlington

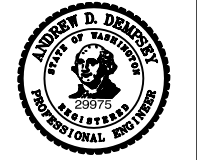
DATE: _____

WSDOT NORTHWEST REGION

APPROVED _____ DATE _____
 AREA TRAFFIC ENGINEER

ENGINEER MANAGER _____ DATE _____

DATE	DESCRIPTION	BY
5/7/09	PRELIMINARY AS-BUILT SUBMITTAL	ADD
6/2/09	AS-BUILT FOR APPROVAL SUBMITTAL	ADD



DATE: 6/2/09
 DRAWN: SAC
 DESIGNED: ADD
 CHECKED: ADD
 PROJECT #: 205004

SHEET TITLE
POLE STANDARDS

SHEET NUMBER
TS-4

JA ACCOUNT #
 5305

CONDUIT/WIRE SCHEDULE

RUN NO.	DIAMETER, INCHES	SERVICE (4/0)	POWER (#6)	GROUND (#8)	ILLUM. (#8)	PED PUSH BUT. (2CS#14)	EMER. PRE-EMPT/ ILL. SIGN (3CS#20)	VEH. OR PED HEADS (5C)	VEH. OR PED HEADS (7C)	COAX CABLE RG59	120 V CAMERA POWER 3C	INTERCONNECT FO 12 Conductor	RUN NO.	REMARKS
1	2.00			1								1	1	ALLOWS FOR SR-531 INTERCONNECT. SEE SHEET TS-12 FOR DETAILS.
2	2.00			1		1							2	PUSH BUTTONS (JB 2 TO STD 5, JB 7 TO STD 8, JB11 TO STD 9,10)
3	2.00			1		1		1					3	PUSH BUTTONS (JB 2 TO POLE 6, JB 7 TO POLE 7)
4	3.00			1		2	1	6		2	2		4	JB 7 TO SIGNAL POLE 2
5	3.00			1		4	2	7					5	CROSSES 43RD AVE NE NORTH (JB 2 TO JB 7)
6	3.00			1		2	1	6		1	1		6	JB 2 TO SIGNAL POLE 1
7	4.00			1		8	3	14					7	CROSSES 172ND ST NE WEST (JB2 TO PULL BOX)
8	3.00			1		2	1	6	1	1	1		8	JB 11 TO SIGNAL POLE 3
9	4.00			1		4	1	6	1				9	CROSSES 43RD AVE NE SOUTH (JB11 TO PULLBOX)
10	3.00			1			1	3		2	2		10	PULL BOX TO SIGNAL POLE 4
11A	4.00			1		8	3	13					11A	CONTROLLER CABINET TO PULL BOX
11B	3.50									6	6		11B	SPARE WITH PULL STRING FOR FUTURE LOOP DETECTION. REMOVE THE VIDEO CABLE ONCE THE FUTURE PERMANENT SIGNAL IS OPERATIONAL
11C	3.50					6	2	12	1				11C	CONTROLLER CABINET TO PULL BOX
12	2.00			1	2								12	ILLUMINATION (WSDOT)
13	2.00			1	2								13	ILLUMINATION (CITY)
14	2.00		3										14	SERVICE CABINET TO CONTROLLER CABINET
15A	3.00	3											15A	SERVICE CABINET (WSDOT) TO POWER SOURCE
15B	3.00	3											15B	SERVICE CABINET (CITY) TO POWER SOURCE
17	2.00			1			1						17	EMER. PRE-EMPT. FOR FUT. FIRE STATION
18	2.00												18	SPARE WITH PULL STRING FOR FUTURE LOOP DETECTION
19	AERIAL									1	1		19	SEE CONSTRUCTION NOTE 2 ON SHEET TS-6 FOR DETAILS
20	3.00									2	2		20	SPARE WITH PULL STRING FOR FUTURE LOOP DETECTION. REMOVE THE VIDEO CABLE ONCE THE FUTURE PERMANENT SIGNAL IS OPERATIONAL
21	3.00									3	3		21	SPARE WITH PULL STRING FOR FUTURE LOOP DETECTION. REMOVE THE VIDEO CABLE ONCE THE FUTURE PERMANENT SIGNAL IS OPERATIONAL
22	3.00									1	1		22	SPARE WITH PULL STRING FOR FUTURE LOOP DETECTION. REMOVE THE VIDEO CABLE ONCE THE FUTURE PERMANENT SIGNAL IS OPERATIONAL
23	2.00			1		2		2					23	PED HEADS AND PUSH BUTTONS (PULLBOX TO POLE 11)
24	(3) 2.00												24	3 EACH 2 INCH SPARE FOR BLACK ROCK CABLE

CONDUIT NOTES

ALL CONDUIT BELOW ROADWAY SHALL BE PVC SCHEDULE 80.
 CONDUIT RUN 15A AND 15B (POWER SOURCE) SHALL BE GALVANIZED STEEL. ALL OTHER CONDUIT MAY BE PVC SCHEDULE 40.
 ALL CONDUIT CROSSING SR 531 SHALL BE INSTALLED USING THE DIRECTIONAL BORING METHOD.

ILLUMINATION POLE SCHEDULE

LUM. POLE NO.**	ROAD	STATION	OFFSET	MOUNT HEIGHT	ARM LENGTH	CIRCUIT	WATT./ TYPE	PHOTO-METRICS	POLE TYPE	BASE
L1	SR-531	173+77	RT 38'	40'	8'	ILLUM	400/III	MEDIUM-CUTOFF	G. STEEL	SLIP
L2	SR-531	174+54	RT 38'	40'	8'	ILLUM	400/III	MEDIUM-CUTOFF	G. STEEL	SLIP
L3	SR-531	177+68	LT 40'	40'	8'	ILLUM	400/III	MEDIUM-CUTOFF	G. STEEL	SLIP
L4	SR-531	178+58	LT 40' 34'	40'	8'	ILLUM	400/III	MEDIUM-CUTOFF	G. STEEL	SLIP

WSDOT SERVICE

BREAKER SCHEDULE
240V - 120/240V TYPE-D SERVICE

CIRCUIT	DESCRIPTION	BREAKER RATING	CONTACTOR RATING	VOLTAGE	LOAD (KVA)
---	MAIN	200 AMP	N/A	240	X
S1	SIGNAL	50 AMP	N/A	120	2.340
C1	SPARE	30 AMP	N/A	120	0.000
C2	SPARE	30 AMP	N/A	120	0.000
L1	LIGHTING	30 AMP	30 AMP	240	1.880
L2	SPARE	30 AMP	30 AMP	240	0.000
L3	SPARE	30 AMP	30 AMP	240	0.000
C3	GFCI	20 AMP	N/A	120	1.800
C4	PHOTOCELL	15 AMP	N/A	120	0.001
C5	HEAT STRIP	15 AMP	N/A	120	0.100
C6	SPARE	30 AMP	N/A	120	0.000
BUSSWORK SHALL BE RATED AT 250 AMP MINIMUM				PEAK	X
				CONTINUOUS	X

CITY SERVICE

BREAKER SCHEDULE
240V - 120/240V TYPE-D SERVICE

CIRCUIT	DESCRIPTION	BREAKER RATING	CONTACTOR RATING	VOLTAGE	LOAD (KVA)
---	MAIN	200 AMP	N/A	240	X
S1	SIGNAL	50 AMP	N/A	120	0.000
L1	LIGHTING	20 AMP	30 AMP	240	2.820
L2	FUT. LIGHTING	20 AMP	30 AMP	240	0.000
L3	FUT. LIGHTING	20 AMP	30 AMP	240	0.000
C3	GFCI	20 AMP	N/A	120	1.800
C4	PHOTOCELL	15 AMP	N/A	120	0.001
C5	HEAT STRIP	15 AMP	N/A	120	0.100
C6	SPARE	15 AMP	N/A	120	0.000
BUSSWORK SHALL BE RATED AT 250 AMP MINIMUM				PEAK	X
				CONTINUOUS	X

AS-BUILT DRAWING APPROVAL
ACKNOWLEDGMENT

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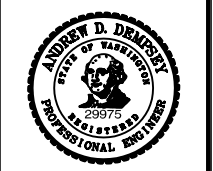
WSDOT NORTHWEST REGION

APPROVED _____ DATE _____
AREA TRAFFIC ENGINEER
ENGINEER MANAGER _____ DATE _____



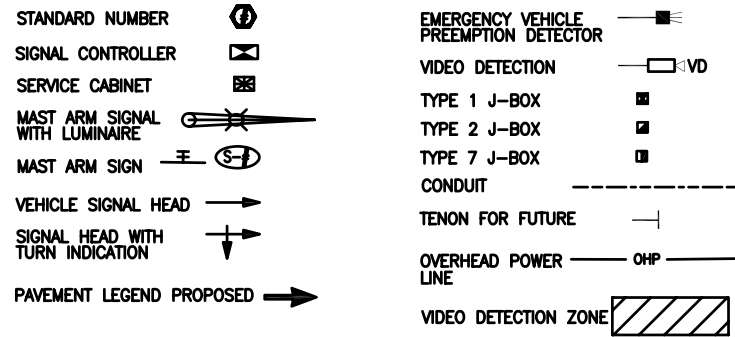
TRAFFIC SIGNAL PLANS
WHIDBEY ISLAND BANK
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DATE | 6/2/09
 DRAWN | SAC
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 PROJECT # | 205004
 SHEET TITLE
SCHEDULES
 SHEET NUMBER
TS-5
 JA ACCOUNT #
 5305

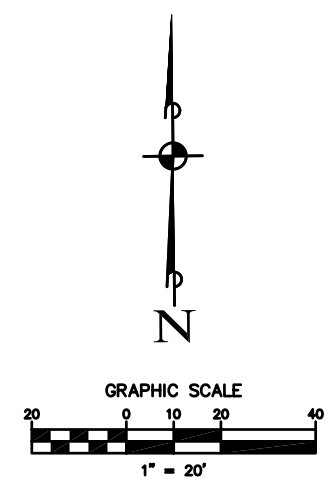
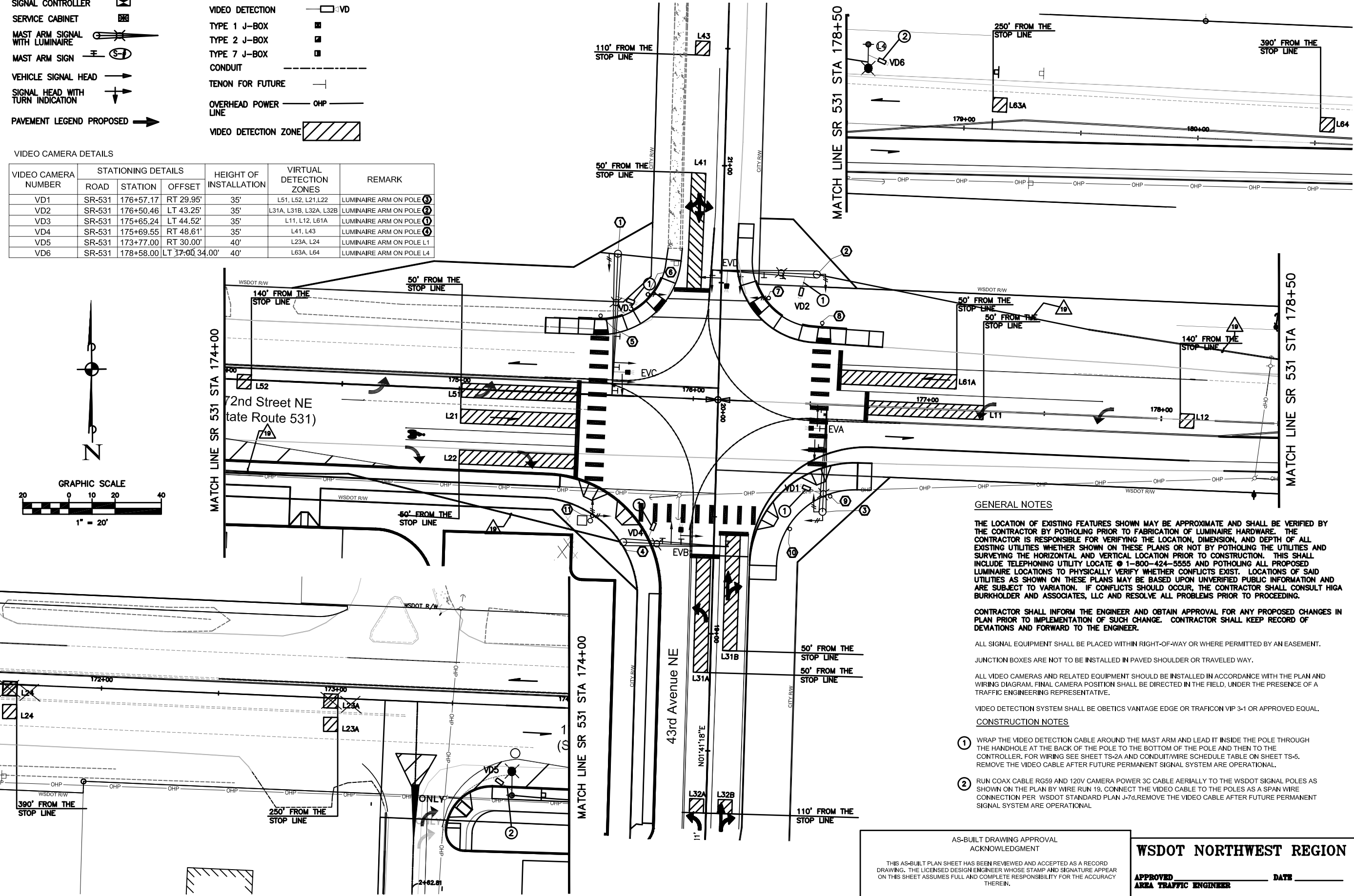
LEGEND:



VIDEO CAMERA DETAILS

VIDEO CAMERA NUMBER	STATIONING DETAILS			HEIGHT OF INSTALLATION	VIRTUAL DETECTION ZONES	REMARK
	ROAD	STATION	OFFSET			
VD1	SR-531	176+57.17	RT 29.95'	35'	L51, L52, L21, L22	LUMINAIRE ARM ON POLE ③
VD2	SR-531	176+50.46	LT 43.25'	35'	L31A, L31B, L32A, L32B	LUMINAIRE ARM ON POLE ②
VD3	SR-531	175+65.24	LT 44.52'	35'	L11, L12, L61A	LUMINAIRE ARM ON POLE ①
VD4	SR-531	175+69.55	RT 48.61'	35'	L41, L43	LUMINAIRE ARM ON POLE ④
VD5	SR-531	173+77.00	RT 30.00'	40'	L23A, L24	LUMINAIRE ARM ON POLE L1
VD6	SR-531	178+58.00	LT 17-00 34.00'	40'	L63A, L64	LUMINAIRE ARM ON POLE L4

N.W. 1/4 SEC. 28, T. 31 N., R. 5 E., W.M.



GENERAL NOTES

THE LOCATION OF EXISTING FEATURES SHOWN MAY BE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR BY POTHOLES PRIOR TO FABRICATION OF LUMINAIRE HARDWARE. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT BY POTHOLES THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE TELEPHONING UTILITY LOCATE @ 1-800-424-5555 AND POTHOLES ALL PROPOSED LUMINAIRE LOCATIONS TO PHYSICALLY VERIFY WHETHER CONFLICTS EXIST. LOCATIONS OF SAID UTILITIES AS SHOWN ON THESE PLANS MAY BE BASED UPON UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT HIGA BURKHOLDER AND ASSOCIATES, LLC AND RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING.

CONTRACTOR SHALL INFORM THE ENGINEER AND OBTAIN APPROVAL FOR ANY PROPOSED CHANGES IN PLAN PRIOR TO IMPLEMENTATION OF SUCH CHANGE. CONTRACTOR SHALL KEEP RECORD OF DEVIATIONS AND FORWARD TO THE ENGINEER.

ALL SIGNAL EQUIPMENT SHALL BE PLACED WITHIN RIGHT-OF-WAY OR WHERE PERMITTED BY AN EASEMENT.

JUNCTION BOXES ARE NOT TO BE INSTALLED IN PAVED SHOULDER OR TRAVELED WAY.

ALL VIDEO CAMERAS AND RELATED EQUIPMENT SHOULD BE INSTALLED IN ACCORDANCE WITH THE PLAN AND WIRING DIAGRAM. FINAL CAMERA POSITION SHALL BE DIRECTED IN THE FIELD, UNDER THE PRESENCE OF A TRAFFIC ENGINEERING REPRESENTATIVE.

VIDEO DETECTION SYSTEM SHALL BE OBETICS VANTAGE EDGE OR TRAFICON VIP 3-1 OR APPROVED EQUAL.

CONSTRUCTION NOTES

- WRAP THE VIDEO DETECTION CABLE AROUND THE MAST ARM AND LEAD IT INSIDE THE POLE THROUGH THE HANDHOLE AT THE BACK OF THE POLE TO THE BOTTOM OF THE POLE AND THEN TO THE CONTROLLER. FOR WIRING SEE SHEET TS-2A AND CONDUIT/WIRE SCHEDULE TABLE ON SHEET TS-5. REMOVE THE VIDEO CABLE AFTER FUTURE PERMANENT SIGNAL SYSTEM ARE OPERATIONAL.
- RUN COAX CABLE RG59 AND 120V CAMERA POWER 3C CABLE AERIALY TO THE WSDOT SIGNAL POLES AS SHOWN ON THE PLAN BY WIRE RUN 19. CONNECT THE VIDEO CABLE TO THE POLES AS A SPAN WIRE CONNECTION PER WSDOT STANDARD PLAN J-7d. REMOVE THE VIDEO CABLE AFTER FUTURE PERMANENT SIGNAL SYSTEM ARE OPERATIONAL.

AS-BUILT DRAWING APPROVAL
ACKNOWLEDGMENT

THIS AS-BUILT PLAN SHEET HAS BEEN REVIEWED AND ACCEPTED AS A RECORD DRAWING. THE LICENSED DESIGN ENGINEER WHOSE STAMP AND SIGNATURE APPEAR ON THIS SHEET ASSUMES FULL AND COMPLETE RESPONSIBILITY FOR THE ACCURACY THEREIN.

BY: _____
City Engineer, City of Arlington

DATE: _____

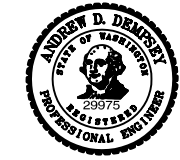
WSDOT NORTHWEST REGION

APPROVED _____ DATE _____
AREA TRAFFIC ENGINEER

ENGINEER MANAGER _____ DATE _____

TRAFFIC SIGNAL PLANS
WHIDBEY ISLAND BANK
BRANCH DEVELOPMENT
ARLINGTON, WASHINGTON

DATE	DESCRIPTION	BY	ADD
5/7/09	PRELIMINARY AS-BUILT SUBMITTAL		
6/2/09	AS-BUILT FOR APPROVAL SUBMITTAL		

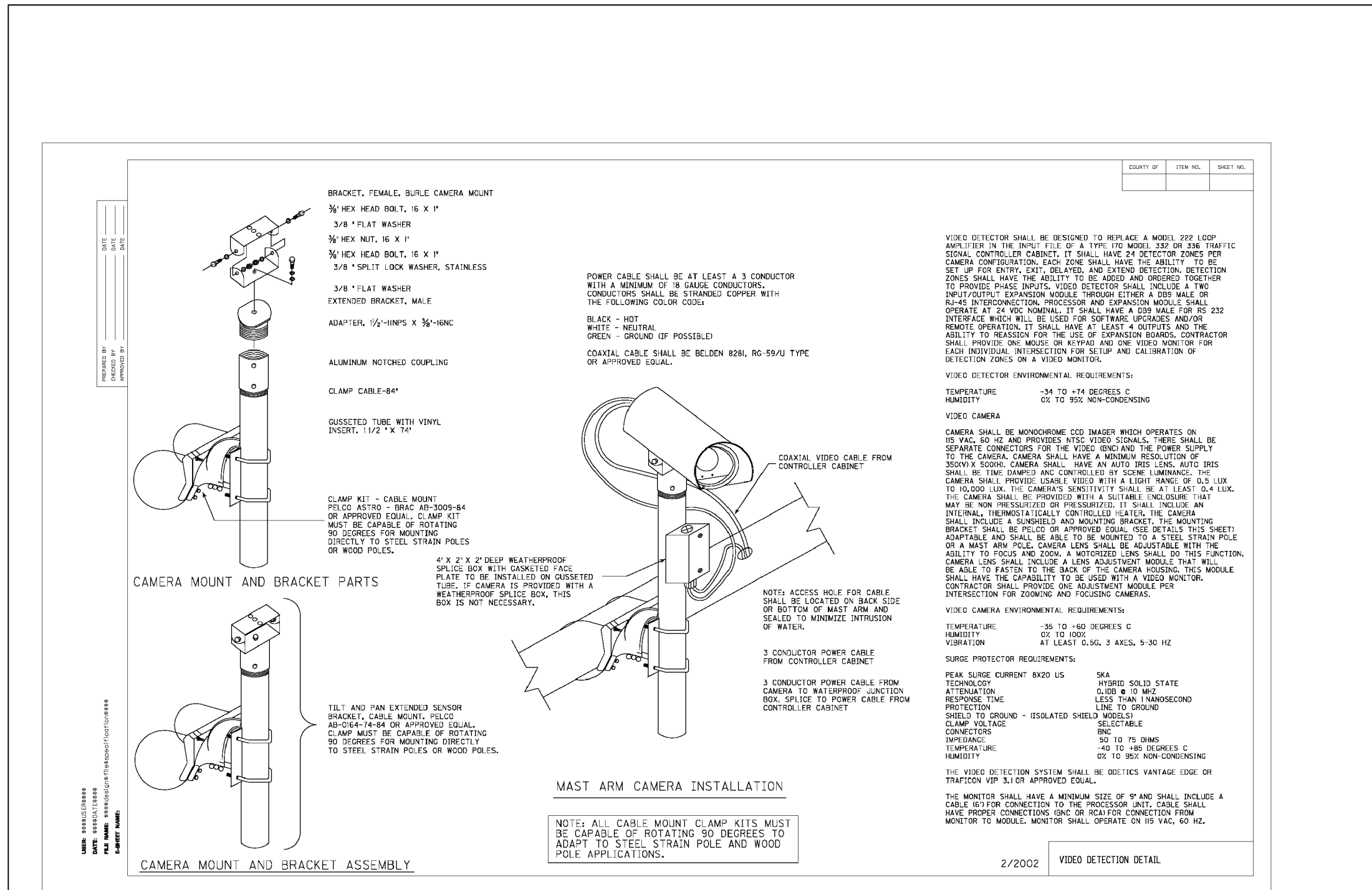


DATE | 6/2/09
DRAWN | SAC
DESIGNED | ADD
CHECKED | ADD
PROJECT # | 205004

SHEET TITLE
TEMP. VIDEO DET.
SHEET NUMBER
TS-6

JA ACCOUNT #
5305

TSI
Transportation Solutions, Inc.
8250 - 165th Avenue NE, Suite 100
Redmond, Washington 98052-6628
(425) 883-4134 | www.tsiinc.com



PREPARED BY: _____ DATE: _____
 CHECKED BY: _____ DATE: _____
 APPROVED BY: _____ DATE: _____

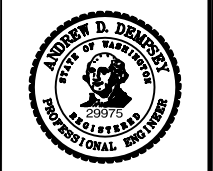
USER: *****
 DATE: *****
 FILE NAME: *****
 P-SHEET NAME: *****

COUNTY OF	ITEM NO.	SHEET NO.



TRAFFIC SIGNAL PLANS
WHIDBEY ISLAND BANK
BRANCH DEVELOPMENT
 ARLINGTON, WASHINGTON

DATE	DESCRIPTION	BY
5/7/09	PRELIMINARY AS-BUILT SUBMITTAL	ADD
6/2/09	AS-BUILT FOR APPROVAL SUBMITTAL	ADD



DATE | 6/2/09
 DRAWN | SAC
 DESIGNED | ADD
 CHECKED | ADD
 PROJECT # | 205004

SHEET TITLE
VIDEO DET. DETAIL
 SHEET NUMBER
TS-6A

JA ACCOUNT #
 5305

**AS-BUILT DRAWING APPROVAL
 ACKNOWLEDGMENT**

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 DRAWING. THE LICENSED DESIGN ENGINEER WHOSE STAMP AND SIGNATURE APPEAR
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 THEREIN.

BY: _____
 City Engineer, City of Arlington

DATE: _____

WSDOT NORTHWEST REGION

APPROVED _____ DATE _____
AREA TRAFFIC ENGINEER

ENGINEER MANAGER _____ DATE _____

GENERAL NOTES

THE LOCATION OF EXISTING FEATURES SHOWN MAY BE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR BY POTHOLES PRIOR TO FABRICATION OF LUMINAIRE HARDWARE. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT BY POTHOLES THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE TELEPHONING UTILITY LOCATE @ 1-800-424-5555 AND POTHOLES ALL PROPOSED LUMINAIRE LOCATIONS TO PHYSICALLY VERIFY WHETHER CONFLICTS EXIST. LOCATIONS OF SAID UTILITIES AS SHOWN ON THESE PLANS MAY BE BASED UPON UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT HIGA BURKHOLDER AND ASSOCIATES, LLC AND RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING.

CONTRACTOR SHALL INFORM THE ENGINEER AND OBTAIN APPROVAL FOR ANY PROPOSED CHANGES IN PLAN PRIOR TO IMPLEMENTATION OF SUCH CHANGE. CONTRACTOR SHALL KEEP RECORD OF DEVIATIONS AND FORWARD TO THE ENGINEER.

ALL SIGNAL EQUIPMENT SHALL BE PLACED WITHIN RIGHT-OF-WAY OR WHERE PERMITTED BY AN EASEMENT.

JUNCTION BOXES ARE NOT TO BE INSTALLED IN PAVED SHOULDER OR TRAVELED WAY.

SIGNAL DISPLAY NOTES

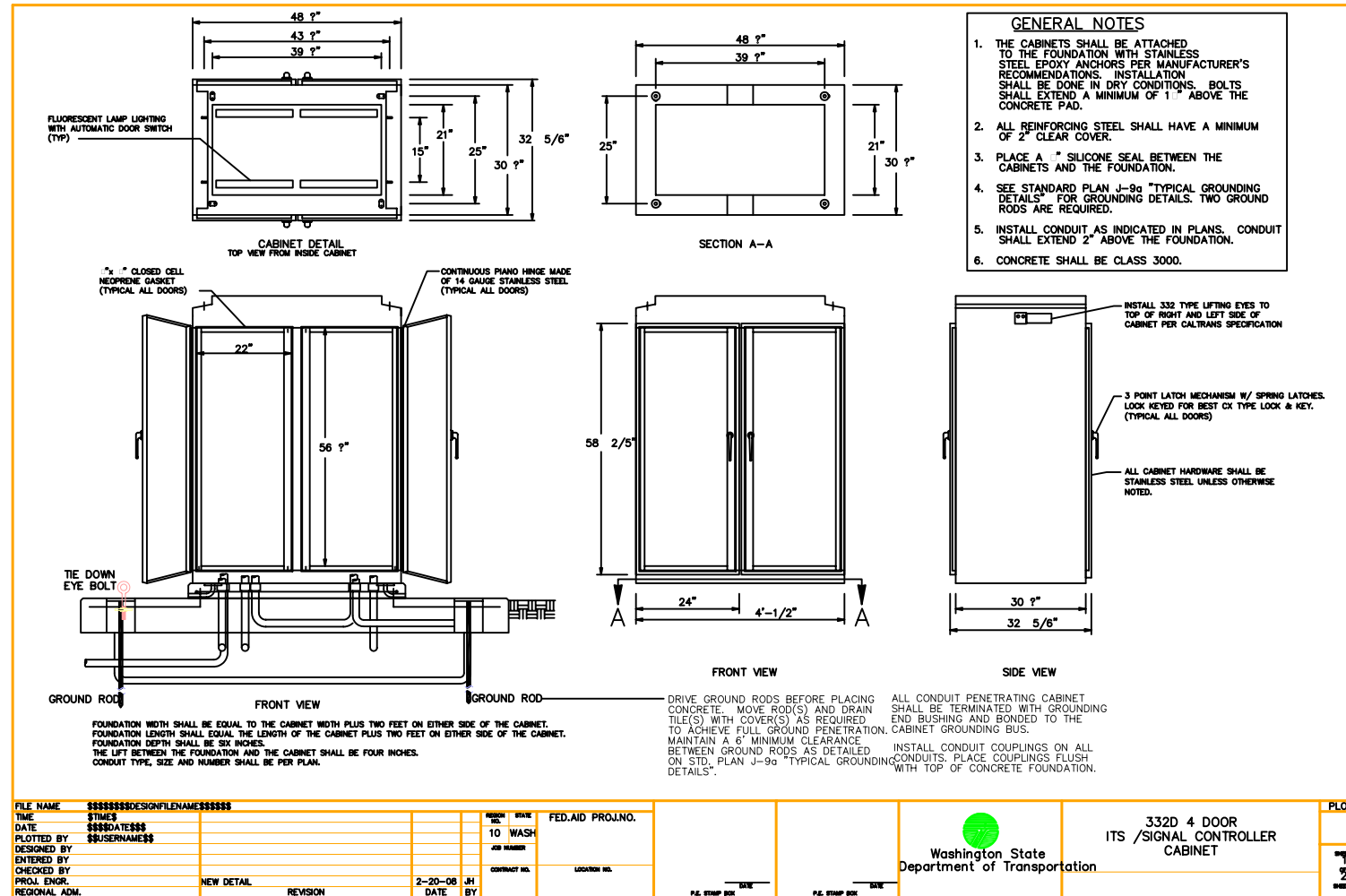
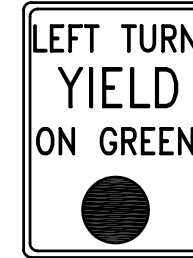
- ALL VEHICLE AND PEDESTRIAN DISPLAYS SHALL BE LIGHT-EMITTING DIODES (LED).
- ALL VEHICLE SIGNAL HEADS SHALL BE CONVENTIONAL TYPE WITH 12" LENSES, SQUARE DOORS, AND BE EQUIPPED WITH ALUMINUM TUNNEL VISORS AND BACKPLATES. HEADS SHALL BE PAINTED DARK GREEN, WITH FLAT BLACK INTERIORS.
- ALL MASTARM MOUNTED SIGNAL HEADS SHALL USE TYPE M MOUNTING.
- TYPE III STANDARD SIDE-MOUNT PEDESTRIAN HEAD SHALL BE TYPE E. TYPE PS STANDARD TOP-MOUNT PEDESTRIAN SINGLE- HEAD SHALL BE TYPE D. TYPE PS STANDARD TOP-MOUNT PEDESTRIAN DUAL-HEAD SHALL BE TYPE C.

SIGN DETAILS

- (S-1) INSTALL "43rd Ave NE" STREET NAME SIGN ON MAST ARM, 102" X 24". TEXT SIZES SHALL BE 12" UPPERCASE LETTERS WITH 9" LOWER CASE "D" SERIES LETTERS. LEGEND SHALL BE WHITE TYPE VIII REFLECTIVE SHEETING WITH BACKGROUND AS GREEN TYPE III REFLECTIVE SHEETING, WITH ALUMINIUM SUBSTRATE UNDER THE SHEETINGS.
- (S-2) INSTALL "172ND ST NE" STREET NAME SIGN ON MAST ARM, 66" X 18". TEXT SIZES SHALL BE 8" IN CAPITAL "D" SERIES LETTERS. LEGEND SHALL BE WHITE TYPE VIII REFLECTIVE SHEETING WITH BACKGROUND AS GREEN TYPE III REFLECTIVE SHEETING, WITH ALUMINIUM SUBSTRATE UNDER THE SHEETINGS.
- (S-3) INSTALL "LEFT TURN YIELD ON GREEN BALL" ON MAST ARM, MUTCD NO. R10-12, 30" x 36". QUANTITY 2. SHEETING TYPE SHALL BE III.
- (S-4) REMOVE "T-INTERSECTION" SIGNS AT APPROX. STA. 171+60, RT 39 AND 179+35, LT 25' ALONG SR 531.
- (S-5) INSTALL "43RD AVENUE NE" D 3-301 POST MOUNT SIGNS, 54" X 12" AT STA. 179+12, LT 25' AND 173+82, RT 38' ALONG SR 531. EACH SIGN TO BE MOUNTED ON ONE STEEL POST. USE 4" SQUARE POST, WITH TYPE AS FOUNDATION AS PER WSDOT STD PLAN G-8A. TEXT SIZES SHALL BE 6" IN CAPITAL "D" SERIES LETTERS. LEGEND SHALL BE WHITE TYPE II REFLECTIVE SHEETING WITH BACKGROUND AS GREEN TYPE II REFLECTIVE SHEETING, WITH ALUMINIUM SUBSTRATE UNDER THE SHEETINGS.

43rd Ave NE

172ND ST NE



CONTROLLER CABINET DETAIL

AS-BUILT DRAWING APPROVAL ACKNOWLEDGMENT

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BY: _____
City Engineer, City of Arlington

DATE: _____

WSDOT NORTHWEST REGION

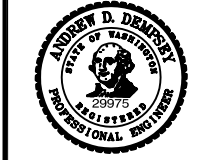
APPROVED _____ DATE _____
AREA TRAFFIC ENGINEER

ENGINEER MANAGER _____ DATE _____



TRAFFIC SIGNAL PLANS
WHIDBEY ISLAND BANK
BRANCH DEVELOPMENT
ARLINGTON, WASHINGTON

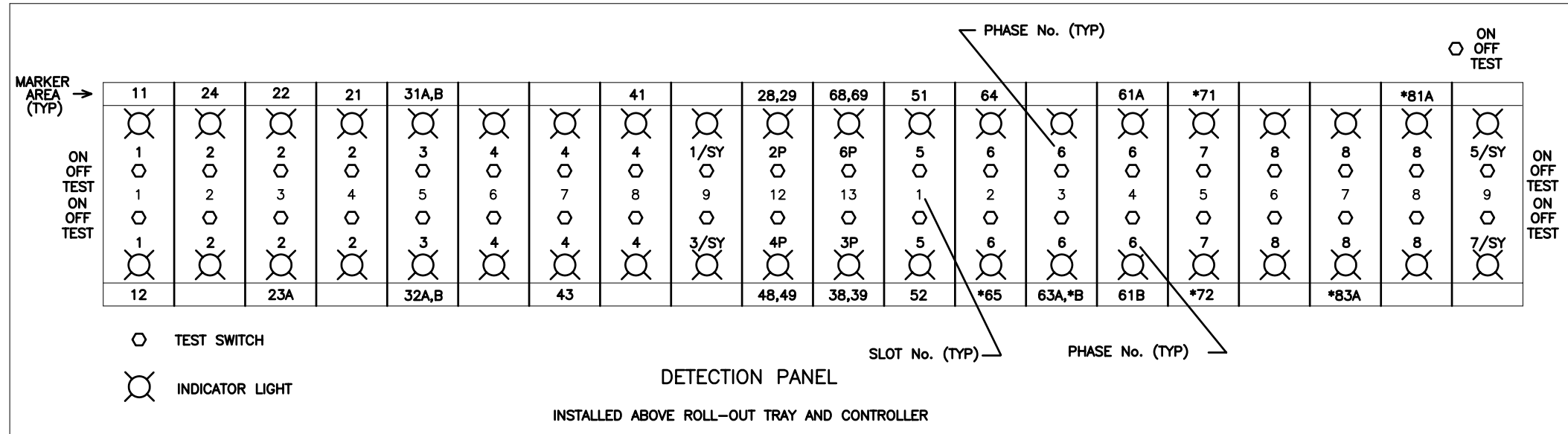
DATE	DESCRIPTION	BY
5/7/09	PRELIMINARY AS-BUILT SUBMITTAL	ADD
6/2/09	AS-BUILT FOR APPROVAL SUBMITTAL	ADD



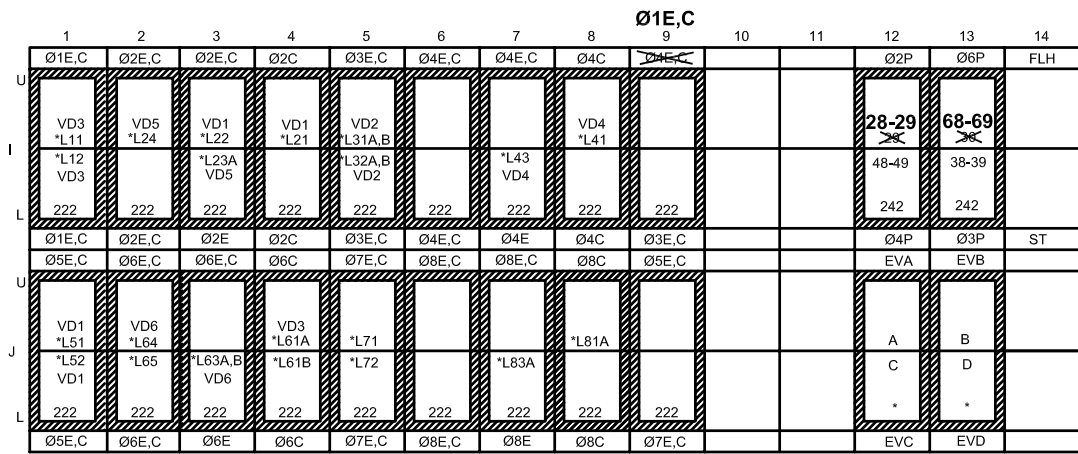
DATE: 6/2/09
DRAWN: SAC
DESIGNED: ADD
CHECKED: ADD
PROJECT #: 205004

SHEET TITLE: _____
NOTES: _____
SHEET NUMBER: **TS-7**

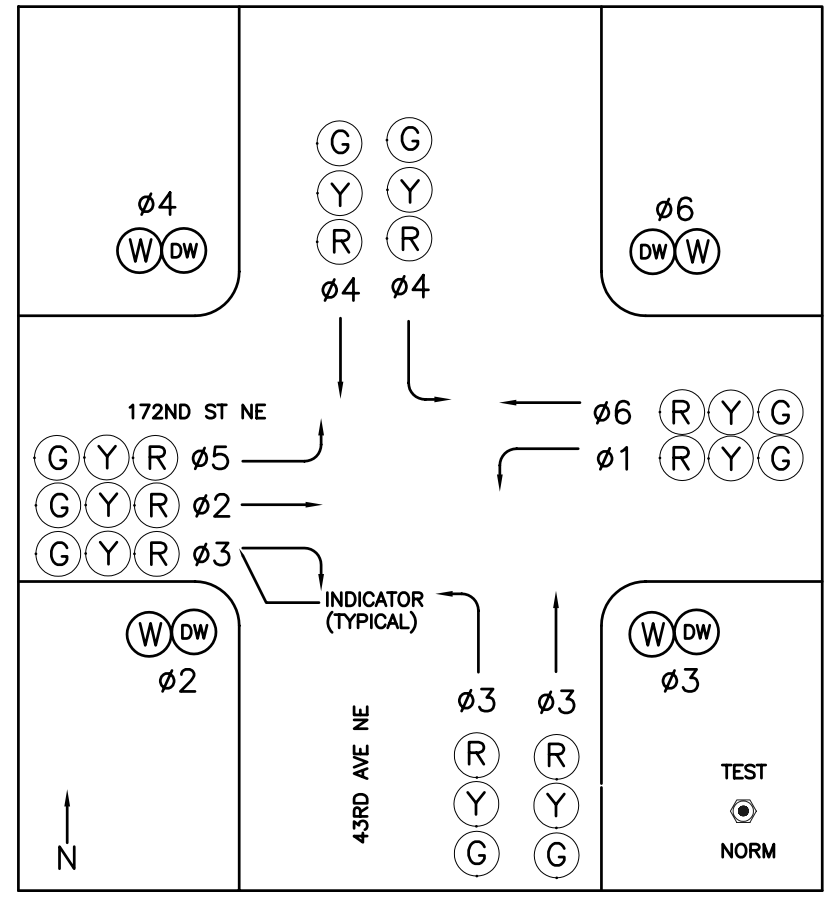
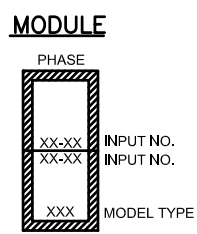
JA ACCOUNT #: 5305



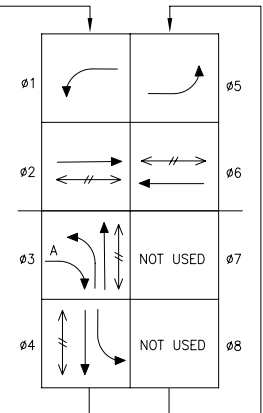
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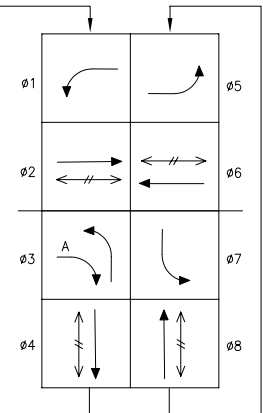
*LOOP DETECTORS TO BE USED IN FUTURE. SEE 172ND STREET SIGNAL PLAN BY DAVID EVANS & ASSOCIATES, INC. PHONE 253-922-9780.



INTERIM PHASE SEQUENCE DIAGRAM



***ULTIMATE PHASE SEQUENCE DIAGRAM**



INTERIM EMERGENCY VEHICLE PRE-EMPTION SCHEDULE

CHANNEL	PHASE
A	2 & 5
B	4
C	1 & 6
D	3

***ULTIMATE EMERGENCY VEHICLE PRE-EMPTION SCHEDULE**

CHANNEL	PHASE
A	2 & 5
B	4 & 7
C	1 & 6
D	3 & 8

*NOTE: ULTIMATE PHASE SEQUENCE DIAGRAM AND ULTIMATE EMERGENCY VEHICLE PRE-EMPTION SCHEDULE WILL BE IMPLEMENTED UPON CONSTRUCTION OF FUTURE IMPROVEMENTS. SEE 172ND STREET SIGNAL PLAN BY DAVID EVANS & ASSOCIATES, INC. PHONE 253-922-9780.

→ VEHICULAR MOVEMENT
↔ PEDESTRIAN MOVEMENT
OVERLAP A = Ø3

→ VEHICULAR MOVEMENT
↔ PEDESTRIAN MOVEMENT
OVERLAP A = Ø3

AS-BUILT DRAWING APPROVAL ACKNOWLEDGMENT

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WSDOT NORTHWEST REGION

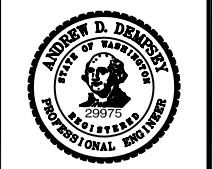
APPROVED _____ DATE _____
AREA TRAFFIC ENGINEER

ENGINEER MANAGER _____ DATE _____



TRAFFIC SIGNAL PLANS
WHIDBEY ISLAND BANK
BRANCH DEVELOPMENT
ARLINGTON, WASHINGTON

DATE	DESCRIPTION	BY	ADD
5/7/09	PRELIMINARY AS-BUILT SUBMITTAL		
6/2/09	AS-BUILT FOR APPROVAL SUBMITTAL		



DATE | 6/2/09
DRAWN | SAC
DESIGNED | ADD
CHECKED | ADD
PROJECT # | 205004

SHEET TITLE
INPUT DIAGRAM
SHEET NUMBER
TS-8
JA ACCOUNT #
5305

CABINET WIRE TERMINATIONS

TB-2

Ø1U	I1-D	1	816	B	VD3(*L11)
	I1-E	2	817	W	
Ø1L	I1-K	3	818	B	VD3(*L12)
	I1-J	4	819	W	
Ø2U	I2-D	5	921	B	VD5(*L24)
	I2-E	6	922	W	
Ø2L	I2-K	7	923	B	VD1(*L22)
	I2-J	8	924	W	
Ø2U	I3-D	9	925	B	VD5(*L23A)
	I3-E	10	926	W	
Ø2L	I3-K	11	927	B	
	I3-J	12	928	W	

TB-3

VD1(*L51)	B	856	1	J1-D	Ø5U
	W	857	2	J1-E	
VD1(*L52)	B	858	3	J1-J	Ø5L
	W	859	4	J1-K	
VD6(*L64)	B	961	5	J2-D	Ø6U
	W	962	6	J2-E	Ø6L
		963	7	J2-J	
		964	8	J2-K	
		965	9	J3-D	Ø6U
		966	10	J3-E	
VD6(*L63A)	B	967	11	J3-J	Ø6L
	W	968	12	J3-K	

41	R	641	Ø4R
42	O	642	Ø4Y
	G	643	Ø4G
48	R	741	Ø4DW
49	O	5B4	EVIB
	G	742	Ø4W
*81	R	681	Ø8R
*82	O	682	Ø8Y
	G	683	Ø8G
38	R	781	Ø8DW
39	O	5D4	EVID
	G	782	Ø8W

28	R	721	Ø2DW
29	O	5A4	EVIA
	G	722	Ø2W
31	R	631	Ø3R
32	O	632	Ø3Y
	G	633	Ø3G
68	R	761	Ø6DW
69	O	5C4	EVIC
	G	762	Ø6W
*71	R	671	Ø7R
	O	672	Ø7Y
	G	673	Ø7G

11	R	611	Ø1R
	O	612	Ø1Y
	G	613	Ø1G
21	R	621	Ø2R
22	O	622	Ø2Y
23	G	623	Ø2G
51	R	651	Ø5R
	O	652	Ø5Y
	G	653	Ø5G
61	R	661	Ø6R
	O	662	Ø6Y
	G	663	Ø6G

TB-4

Ø2U	I4-D	1	826	B	VD1(*L21)
	I4-E	2	827	W	
Ø2L	I4-K	3	828	B	VD2(*L31A,B)
	I4-J	4	829	W	
Ø3U	I5-D	5	836	B	VD2(*L32A,B)
	I5-E	6	837	W	
Ø3L	I5-K	7	838	B	
	I5-J	8	839	W	
Ø4U	I6-D	9	941	B	
	I6-E	10	942	W	
Ø4L	I6-K	11	943	B	
	I6-J	12	944	W	

TB-5

VD3(*L61A)	B	866	1	J4-D	Ø6U
	W	867	2	J4-E	
		868	3	J4-J	Ø6L
		869	4	J4-K	
		876	5	J5-D	Ø7U
		877	6	J5-E	
		878	7	J5-J	Ø7L
		879	8	J5-K	
		981	9	J6-D	Ø8U
		982	10	J6-E	
		983	11	J6-J	Ø8L
		984	12	J6-K	

TB-6

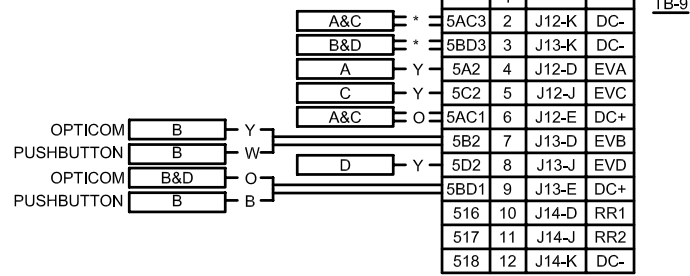
Ø4U	I7-D	1	945	B	VD4(*L43)
	I7-E	2	946	W	
Ø4L	I7-K	3	947	B	VD4(*L41)
	I7-J	4	948	W	
Ø4U	I8-D	5	846	B	
	I8-E	6	847	W	
Ø4L	I8-K	7	848	B	
	I8-J	8	849	W	
Ø1U	I9-D	9	911	B	
	I9-E	10	912	W	
Ø3L	I9-K	11	931	B	
	I9-J	12	932	W	

TB-7

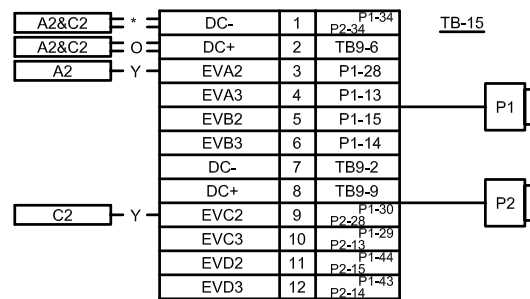
985	1	J7-D	Ø8U
986	2	J7-E	
987	3	J7-J	Ø8L
988	4	J7-K	
886	5	J8-D	Ø8U
887	6	J8-E	
888	7	J8-J	Ø8L
889	8	J8-K	
951	9	J9-D	Ø5U
952	10	J9-E	
971	11	J9-J	Ø7L
972	12	J9-K	

TB-8

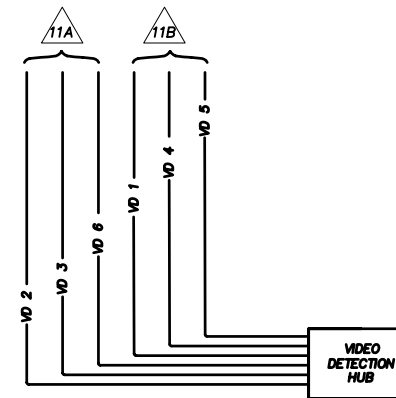
		1			
		2			
		3			
2P	I12-D	4	724	B	PPB
4P	I12-J	5	744	B	
				W	28&29
COM	I12-K	6	725	W	
				W	48&49
6P	I13-D	7	764	B	
3P	I13-J	8	784	B	68&69
				W	
COM	I13-K	9	765	W	38&39
				W	
		10			
		11			
		12			



* Blue AND Bare WIRES TIED TOGETHER PER MFR'S INSTRUCTIONS



* Blue AND Bare WIRES TIED TOGETHER PER MFR'S INSTRUCTIONS



SERVICE PANEL

TBS

B	501	1	AC+
GRD		2	CG
W	502	3	AC-
		4	
		5	

NOTES

- TERMINATE ALL WIRING IDENTIFIED AS AC - (6*6, 7*3 AND V*2) IN THE FIELD WIRING CHART AND THE WIRING SCHEMATIC AT THE NEUTRAL GROUND BUSS.
- TERMINATE ALL SPARE WIRING (6*4, 7*6 AND 7*7) AT A SPARE TERMINAL BUSS. THE * DENOTES THE PHASE NUMBER.
- TERMINATE ALL OTHER SPARE WIRING AT THE CONTROLLER AND DISPLAY OR DETECTION DEVICE, SEAL WITH HEAT SHRINK END CAP AND COIL 5 EXTRA FEET AT EACH LOCATION.

CONTRACTOR SHALL FURNISH AND INSTALL NEXTPHASE SOFTWARE.

*LOOP DETECTORS TO BE USED IN FUTURE. SEE 172ND STREET SIGNAL PLAN BY DAVID EVANS & ASSOCIATES, INC. PHONE 253-922-9780.

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WSDOT NORTHWEST REGION

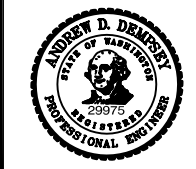
APPROVED _____ DATE _____
AREA TRAFFIC ENGINEER

ENGINEER MANAGER _____ DATE _____

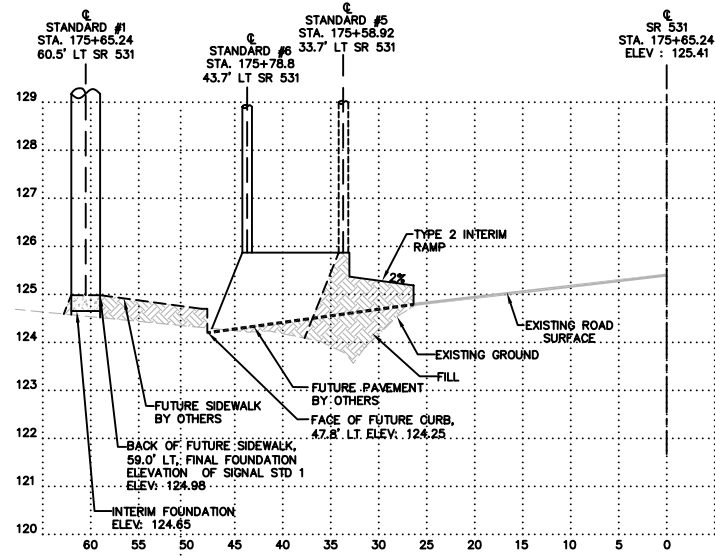


TRAFFIC SIGNAL PLANS
WHIDBEY ISLAND BANK
BRANCH DEVELOPMENT
ARLINGTON, WASHINGTON

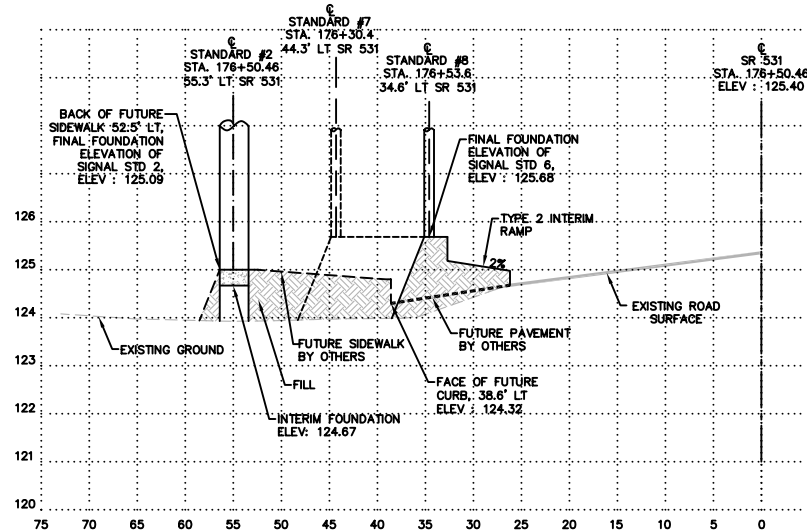
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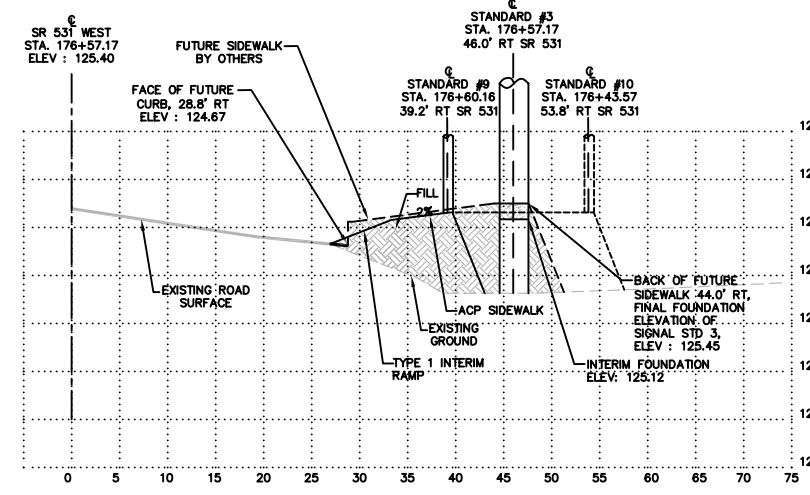
DATE	6/2/09
DRAWN	I SAC
DESIGNED	I ADD
CHECKED	I ADD
PROJECT #	I 205004
SHEET TITLE	WIRING TERMINATIONS
SHEET NUMBER	TS-9
JA ACCOUNT #	5305



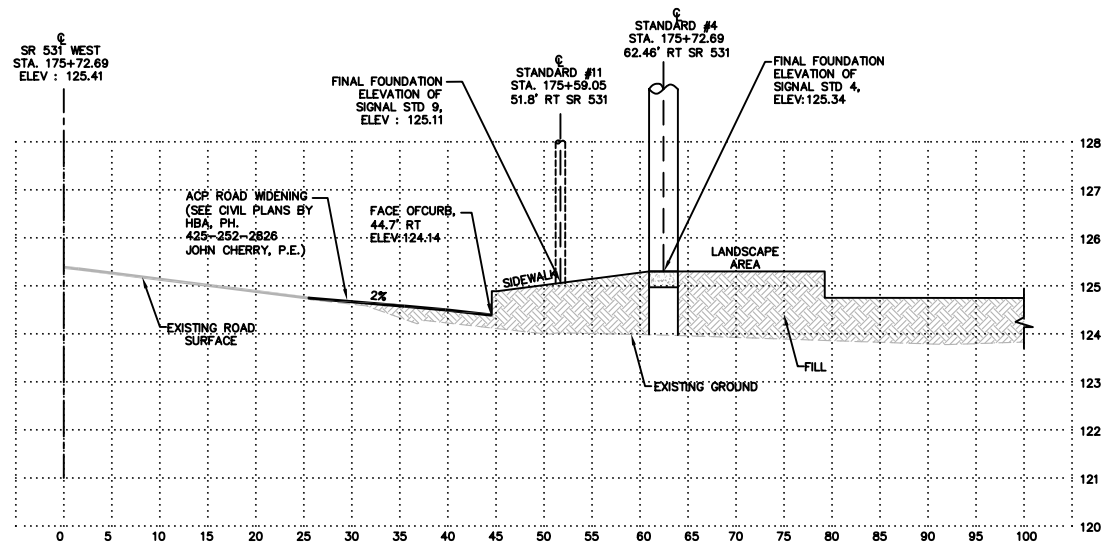
STATION : 175+65.24 ALONG SR 531



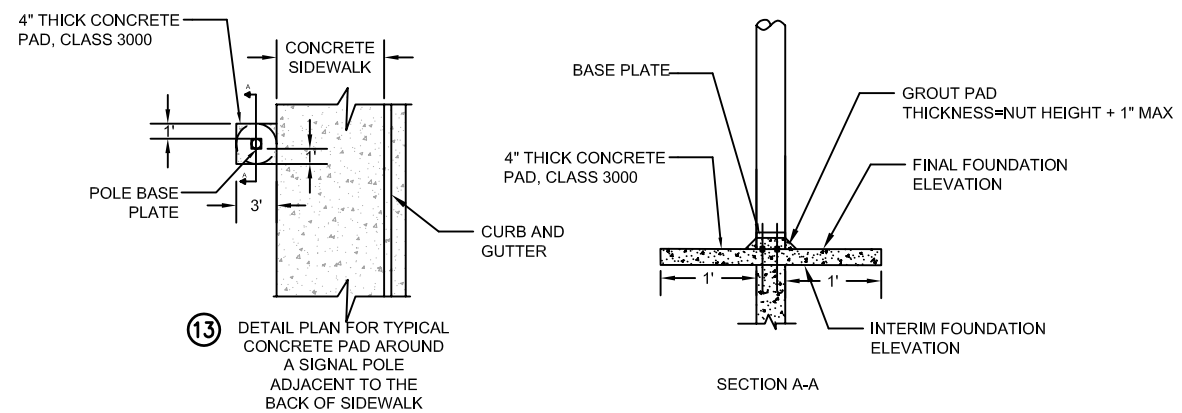
STATION : 176+50.46 ALONG SR 531



STATION : 176+57.17 ALONG SR 531



STATION : 175+72.69 ALONG SR 531



CONSTRUCTION NOTES
 13 POLE FOUNDATIONS NEXT TO OR IN THE SIDEWALK SHALL BE PLACED FOUR INCHES (4") BELOW THE FINISHED SURFACE OF SIDEWALK. A FOUR INCH (4") CONCRETE PAD PER DETAIL DRAWING SHALL BE POURED CONCURRENTLY WITH THE SIDEWALK. THE FOUNDATION AND SIDEWALK SHALL BE SEPARATED BY A THREE QUARTER INCH (3/4") EXPANSION JOINT SUCH THAT THE FOUNDATION CAN BE REMOVED WITHOUT DAMAGE TO THE SURROUNDING SIDEWALK.

SCALE :
 1" = 10' H
 1" = 2' V

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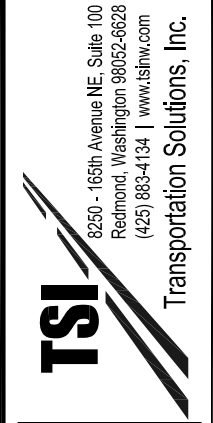
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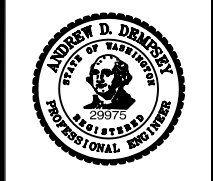
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 ARLINGTON, WASHINGTON

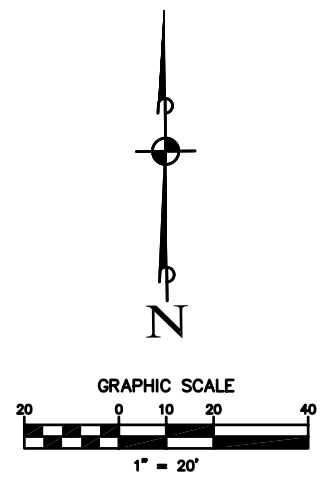
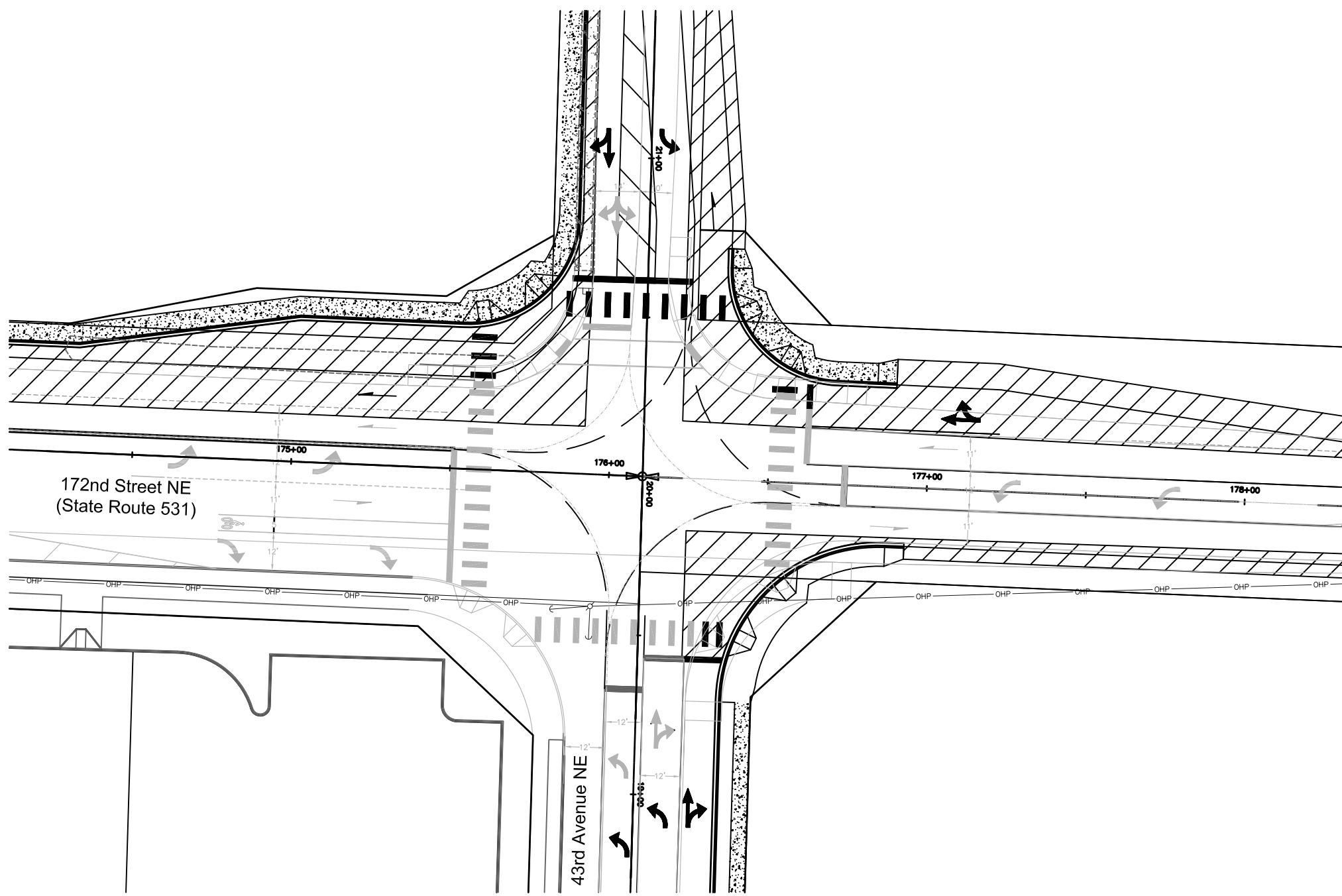
DATE	DESCRIPTION	BY
5/7/09	PRELIMINARY AS-BUILT SUBMITTAL	ADD
6/2/09	AS-BUILT FOR APPROVAL SUBMITTAL	ADD



DATE	6/2/09
DRAWN	SAC
DESIGNED	ADD
CHECKED	ADD
PROJECT #	205004
SHEET TITLE	CROSS SECTIONS
SHEET NUMBER	TS-10
JA ACCOUNT #	5305

N.W. 1/4 SEC. 28, T. 31 N., R. 5 E., W.M.

FOR REFERENCE ONLY



FUTURE CHANNELIZATION PROVIDED BY DAVID EVANS AND ASSOCIATES

FUTURE CHANNELIZATION BY OTHERS

**AS-BUILT DRAWING APPROVAL
ACKNOWLEDGMENT**

THIS AS-BUILT PLAN SHEET HAS BEEN REVIEWED AND ACCEPTED AS A RECORD DRAWING. THE LICENSED DESIGN ENGINEER WHOSE STAMP AND SIGNATURE APPEAR ON THIS SHEET ASSUMES FULL AND COMPLETE RESPONSIBILITY FOR THE ACCURACY THEREIN.

BY: _____
City Engineer, City of Arlington

DATE: _____

WSDOT NORTHWEST REGION

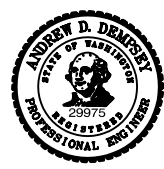
APPROVED _____ DATE _____
AREA TRAFFIC ENGINEER

ENGINEER MANAGER _____ DATE _____

8250 - 165th Avenue NE, Suite 100
Redmond, Washington 98052-6628
(425) 883-4134 | www.tsiw.com
Transportation Solutions, Inc.

**TRAFFIC SIGNAL PLANS
WHIDBEY ISLAND BANK
BRANCH DEVELOPMENT
ARLINGTON, WASHINGTON**

DATE	DESCRIPTION	BY
5/7/09	PRELIMINARY AS-BUILT SUBMITTAL	ADD
6/2/09	AS-BUILT FOR APPROVAL SUBMITTAL	ADD

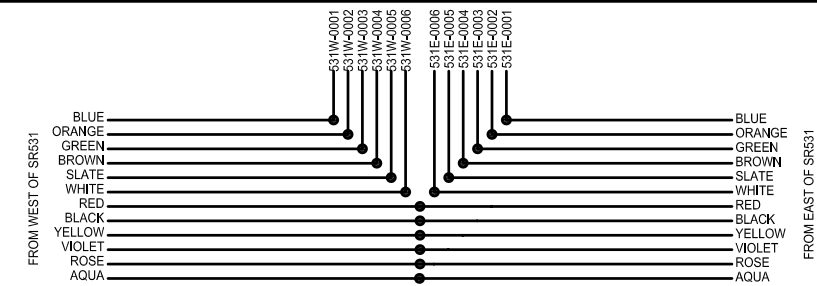
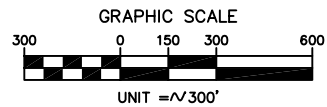
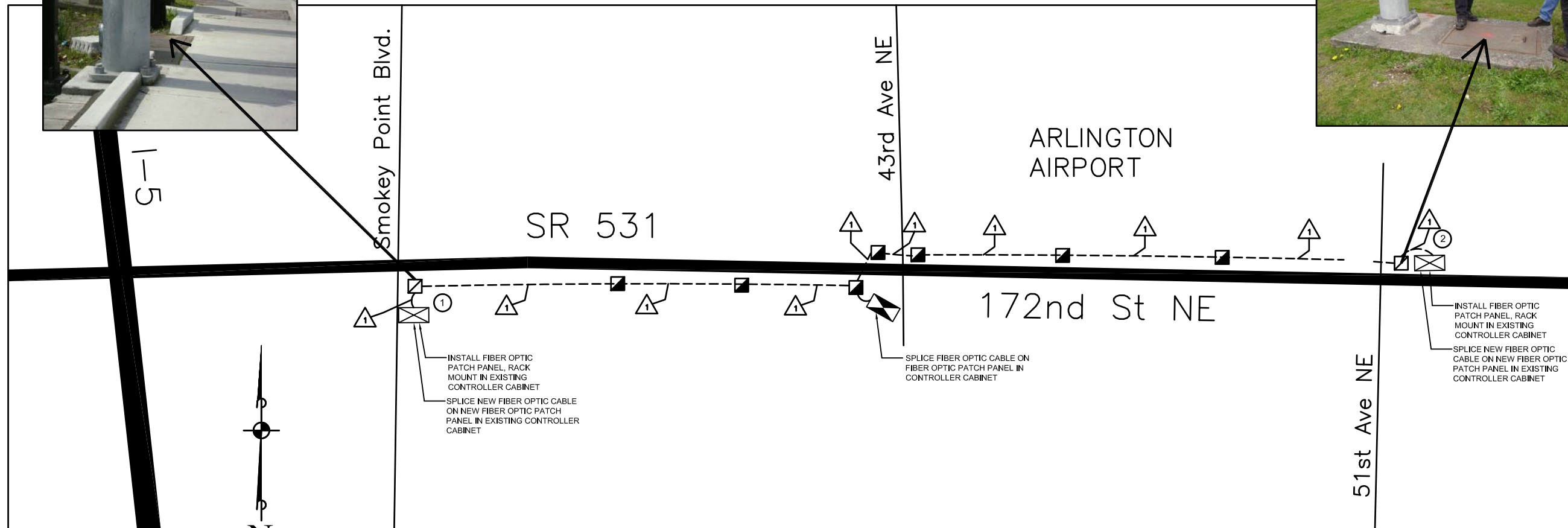


DATE | 6/2/09
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DESIGNED | ADD
CHECKED | ADD
PROJECT # | 205004

SHEET TITLE
FUT. WIDENING OVERLAY
SHEET NUMBER
TS-11
JA ACCOUNT #
5305

N.W. 1/4 SEC. 28, T. 31 N., R. 5 E., W.M.

SIGNAL INTERCONNECT SCHEMATIC



GENERAL NOTES

THE LOCATION OF EXISTING FEATURES SHOWN MAY BE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR BY POTHOLING PRIOR TO FABRICATION OF LUMINAIRE HARDWARE. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT BY POTHOLING THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE TELEPHONING UTILITY LOCATE @ 1-800-424-5555 AND POTHOLING ALL PROPOSED LUMINAIRE LOCATIONS TO PHYSICALLY VERIFY WHETHER CONFLICTS EXIST. LOCATIONS OF SAID UTILITIES AS SHOWN ON THESE PLANS MAY BE BASED UPON UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT HIGA BURKHOLDER AND ASSOCIATES, LLC AND RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING.

CONTRACTOR SHALL INFORM THE ENGINEER AND OBTAIN APPROVAL FOR ANY PROPOSED CHANGES IN PLAN PRIOR TO IMPLEMENTATION OF SUCH CHANGE. CONTRACTOR SHALL KEEP RECORD OF DEVIATIONS AND FORWARD TO THE ENGINEER.

ALL SIGNAL EQUIPMENT SHALL BE PLACED WITHIN RIGHT-OF-WAY OR WHERE PERMITTED BY AN EASEMENT.

JUNCTION BOXES ARE NOT TO BE INSTALLED IN PAVED SHOULDER OR TRAVELED WAY.

SIGNAL INTERCONNECT CONSTRUCTION NOTES

- CONNECT TO EXISTING SIGNAL CONTROL CABINET AT INTERSECTION OF 172ND STREET NE AT SMOKEY POINT BOULEVARD VIA EXISTING INTERCONNECT JUNCTION BOX (COMM) IN SOUTHEAST CORNER OF INTERSECTION. SPLICE THE NEW OPTICAL FIBER IN THE NEW RACK MOUNTED PATCH PANEL IN THE EXISTING JUNCTION BOX. EXISTING OPTICAL FIBER IS COILED AND IS TO BE SPLICED IN THE PATCH PANEL ONCE THE INTERCONNECT SYSTEM IS ACTIVATED.
- CONNECT TO EXISTING SIGNAL CONTROL CABINET AT INTERSECTION OF 172ND STREET NE AT 51ST AVENUE NE VIA EXISTING JUNCTION BOX IN NORTHWEST CORNER OF INTERSECTION. RUN INTERCONNECT ALONG NORTH LEG SPAN TO NORTHEAST CORNER JUNCTION BOX, THEN INTO SIGNAL CONTROL CABINET, THEN SPLICE THE NEW OPTICAL FIBER IN THE NEW RACK MOUNTED PATCH PANEL INSIDE THE CONTROLLER CABINET.

THE RACK MOUNT FIBER DISTRIBUTION UNIT SHOULD BE BJ-1833 OR EQUAL. THE SPLICE TRAY IS BJ-1521 OR EQUAL.

ALL NEW CONDUIT RUNS SHALL TAKE PLACE WITHIN WSDOT ROW. WEST OF 43RD AVENUE NE WHERE CURB, GUTTER AND SIDEWALK DOES NOT CURRENTLY EXIST, INSTALL CONDUIT APPROXIMATELY 38' RIGHT OF CENTERLINE. WEST OF 43RD AVENUE NE WHERE EXISTING CURB, GUTTER AND SIDEWALK IS ENCOUNTERED, INSTALL CONDUIT ON THE SOUTH SIDE OF SR 531 THROUGH THE PATH OF LEAST RESISTANCE WITHIN WSDOT ROW. NEAR THE JUNCTION OF 172ND STREET NE AT SMOKEY POINT BOULEVARD, THE CONDUIT IS PLACED BY SAW CUTTING THE SIDEWALK. THE SIDEWALK SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION AFTER PLACING THE CONDUIT. EAST OF 43RD AVENUE NE, RUN CONDUIT JUST OUTSIDE EDGE OF PAVED SHOULDER TO 51ST AVENUE NE, ON THE NORTH SIDE OF SR 531.

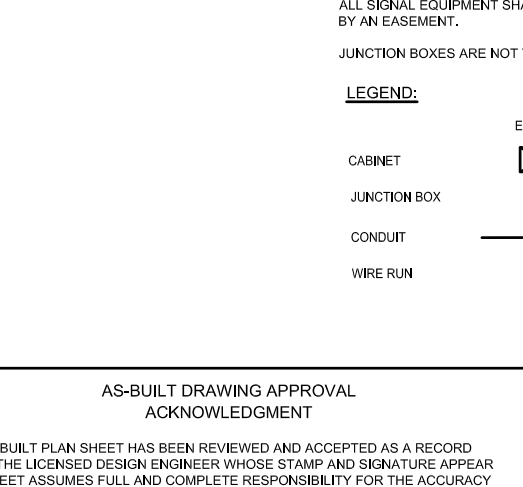
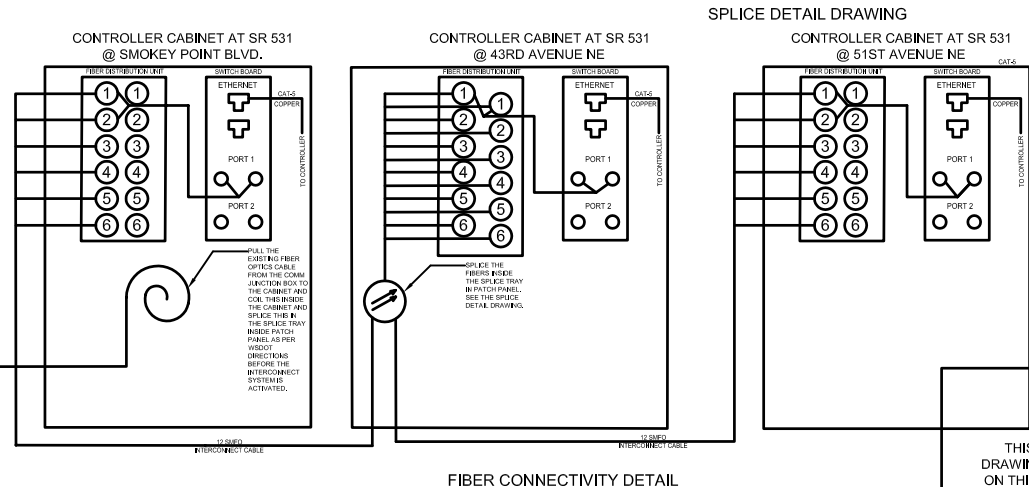
THE TRAFFIC CONTROL DURING THE CONSTRUCTION SHALL BE DONE AS PER WSDOT K SERIES STANDARD PLANS.

ALL AREAS AFFECTED BY TRENCHING SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER.

JUNCTION BOX INSTALLED AS PART OF THIS INTERCONNECT SHALL BE LABELED "COMM" ON THE LID. LABEL JUNCTION BOX AS PER WSDOT STANDARD SPEC. 9.29.2 (4).

MAXIMUM JUNCTION BOX SPACING TO BE 400 FEET.

JUNCTION BOX LOCATIONS SHOWN MAY BE APPROXIMATE AND SHALL BE VERIFIED AND APPROVED BY THE WSDOT ENGINEER INSPECTOR PRIOR TO INSTALLATION.



AS-BUILT DRAWING APPROVAL ACKNOWLEDGMENT

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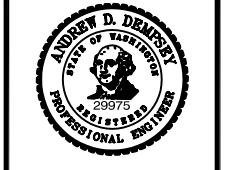
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PROJECT # | 205004
SHEET TITLE
INTERCONNECT SCHEMATIC
SHEET NUMBER
TS-12
JA ACCOUNT #
5305